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ABSTRACT

This project studied the feasibility of using microcomputers for gathering and transmitting farm record information to the analysis portion of the Farm Business Management Analysis (FBMA) program in Missouri. Considerations were given to improving the accuracy of data submitted, the turnaround time to complete the analysis, and other factors judged to be appropriate. The target population included 75 programs for adults in vocational agriculture in Missouri. The materials were field tested with data from nine locations. After a review of existing software programs and methods for data gathering, the project advisory committee recommended that a customized program be developed for the use of gathering data on three models of microcomputers for the FBMA analysis. The committee recommended, based on reviews, that available software be used for the purpose of transmitting data for the FBMA analysis. The committee also recommended that the software programs be disseminated to all teachers working with the FBMA program and that they be encouraged to use them for gathering data for analysis. It is anticipated that the use of the program for gathering data for analysis, with the related error checks, will improve the accuracy of data and the turnaround time required for the FBMA analysis. (More than half of the document consists of the feasibility checklists, software specifications, the program development model, the data entry manual, and samples of output.) (Author/KC)

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FINAL REPORT

A FEASIBILITY STUDY OF THE USE OF MICROCOMPUTERS AND RELATED SOFTWARE FOR GATHERING AND TRANSMITTING DATA FOR THE FBMA PROGRAM

(Project No. 85-131-600-2(116-116)

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A FEASIBILITY STUDY OF

THE USE OF MICROCOMPUTERS AND RELATED SOFTWARE

FOR GATHERING AND TRANSMITTING DATA FOR THE FBMA PROGRAM

TABLE OF CONTENTS

SECTION	DESCRIPTION
	ABSTRACT
I	PREFACE
	Standard Disclaimer Copyrights
II	BODY
	Introduction/ Statement of the Problem Objectives Population and Sample Conclusions and Recommendations
III	ATTACHMENTS
	Procedures References/Resources Bibliography Instruments/Documents Glossary
IV	FINAL PRODUCT
V	APPENDIXES
	Feasibility checklist Specifications Program Development Model Manual Sample Output

ABSTRACT

The purpose of this project was to study the feasibility of utilizing the microcomputer for gathering and transmitting farm record information to the analysis portion of the Farm Business Management Analysis (FBMA) program in Missouri. The project was designed to provide information to substantiate, as appropriate or not appropriate, the use of the microcomputer in FBMA analysis activities. Considerations were given to improving the accuracy of data submitted, the turnaround time to complete the analysis, and other factors judged to be appropriate.

The target population included 75 programs for adults in vocational agriculture in Missouri. The materials were field tested with data from nine locations.

The specific objectives were: 1. To ascertain the feasibility of using the microcomputer to gather and transmit data to a central location for the FBMA analysis. 2. To ascertain the feasibility of using the microcomputer to gather and transmit standardized summary data analyzed locally to a central location for inclusion in a statewide summary. 3. To ascertain if it is feasible to return statewide data to the local educational agency by terminal. 4. To identify and evaluate software for the purpose of gathering and transmitting information for the FBMA analysis for the Apple IIe, IBM pc, and TRS-80 Model 4 microcomputers. 5. To develop additional software programs for the purpose of gathering and transmitting information for the FBMA analysis for the Apple IIe, IBM pc, and TRS-80 Model 4 microcomputers. 6. To conduct field tests and modify software as necessary.

After a review of existing software programs and methods for data gathering, the project advisory committee recommended that a customized program be developed for the use of gathering data on three models of microcomputers for the FBMA analysis. The customized programs were field tested and subsequently became a part of the deliverables of the project. The committee, based on reviews, recommended that available software be used for the purpose of transmitting data for the FBMA analysis.

The advisory committee recommended that the software programs be disseminated to all teachers working with the FBMA program and that they be encouraged to use them for gathering data for analysis. It is anticipated that the use of the program for gathering data for analysis, with the related error checks, will improve the accuracy of data and the turnaround time required for the FBMA analysis.

I. PREFACE

The project staff would like to extend appreciation to those persons who contributed their time and knowledge toward the completion of this project. Without the help of the local teachers, the project advisory committee, consultants, staff of Agricultural Education and Agricultural Economics at the University of Missouri - Columbia, and the supervisors of Agricultural Education and the Research Coordinating Unit of the Missouri Department of Elementary and Secondary Education, the completion of this study would not have been possible. Special recognition should be given to Dr. Norman Rohrbach who was involved in the development of the proposal for this study and contributed much to the completion of the project.

Standard Disclaimer

"The activity which is the subject of this report was supported in whole or in part by funds from the Department of Elementary and Secondary Education, Division of Career and Adult Education. However, the opinions expressed herein do not necessarily reflect the position or policies of the Missouri Department of Elementary and Secondary Education or the Division of Career and Adult Education, and no official endorsement should be inferred."

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II. BODY

Introduction and Statement of the Problem

The purpose of this project was to study the feasibility of utilizing the microcomputer for gathering and transmitting farm record information for the analysis portion of the Farm Business Management Analysis (FBMA) program in Missouri. The intent of the project was to explore ways of helping instructors of adults do a better job by adjusting and streamlining the process of completing end-of-year record analyses. The project was designed to provide information to substantiate, as appropriate or not appropriate, the use of the microcomputer in FBMA analysis activities. Considerations were given to improve the accuracy of data submitted, the turnaround time to complete the analysis of the data submitted by the local educational agency, the type of analysis deemed feasible on a microcomputer, the educational needs of program participants, and other factors judged to be appropriate.

One effort to assist teachers of adult/young farmers in meeting the educational needs in the area of financial management was the development and implementation of a farm business record system developed as part of a research coordinating unit (RCU) grant in 1974-5 (Denker and Osburn, 1975). A project funded by the RCU in 1977 identified financial management as a high priority area for educational programs for farmers in Northwest Missouri (Claycomb, 1977). A study funded by the RCU in 1979 resulted in the identification of 35 financial management competencies needed by young farmers, (Denker and Stewart, 1980).

Competencies receiving high rankings were: recording expenses and receipts, determine gross profit, compute a fourth quarter analysis to be used for tax planning, use a profit and loss statement to make managerial decisions, and develop a depreciation schedule.

Based on the outcomes of the previously mentioned developmental research and in cooperation with the Division of Career and Adult Education, Research Coordinating Unit, the Farm Business Management Analysis Program (FBMA) for adult/young farmers in vocational agriculture in Missouri was developed. The FBMA program was developed in three phases. Phase one, completed as part of a RCU project in 1979-80, identified needed competencies and biographical data of the adult/young farmer enrollees, and developed "Unit I -- Establishing a Farm Accounting System" and pilot tested a computer based record analysis program (Denker and Stewart, 1980). Denker and Stewart (1981) disseminated the findings and the materials from the 1979-80 project, implemented the instructional program using Unit I in schools in Missouri, and developed "Unit II -- Analyzing the Farm Business". Denker and Stewart (1982) implemented Unit II in schools in Missouri and developed "Unit III -- Adjusting the Farm Business". Rohrbach and Stewart (1983) disseminated the materials developed from the previous project, implemented phase three in schools in Missouri, and disseminated materials to state supervisors and teacher educators in Missouri that worked with the FBMA program. This project was designed to compliment and extend the previous studies by examining the appropriate utilization of microcomputers in gathering and transmitting of

record information for analysis.

The adult/young farmer phase of the vocational agriculture program in Missouri has been the most rapidily growing part of the program. In order to attempt to meet the educational needs of this group, the number of full/half-time adult teachers of vocational agriculture increased from 10 in 1970-71 to 36 in 1982-3 (Department of Elementary and Secondary Education, Agriculture Education Section, 1983). In addition, many regular secondary vocational agriculture teachers held classes for adult/young farmers. A total of 5,073 adults were enrolled during the 1981-2 school year. The Department of Elementary and Secondary Education standards for these programs recommended in 1978 that each full or part-time instructor have a "core" or "management" group with which the instructor provides individualized instruction in addition to the classroom or group instruction (Department of Elementary and Secondary Education, Agricultural Education Section, 1978). Standards for the 1985-6 school year provided details for reimbursment of adult vocational agriculture instructors (Heiman, 1985). These standards called for cerification that analysis had been completed for a program to be eligible for full reimbursment. Given the potential impact of these standards it was estimated that at least three full time persons would be needed to provide adequate turnaround time for the farm record analyses.

The use of microcomputers in programs of vocational agriculture and by farmers has increased very rapidily during the past three years. Many farmers are now planning to use

microcomputer programs for keeping their farm records. A 1983 survey of 221 vocational agriculture departments in Missouri found that 140 or 63 percent of those responding had at least one microcomputer (Claycomb, 1984). Teachers reported using the microcomputers for both instructional and data management purposes. This rapid development of the availability of microcomputers lead the adult teacher advisory committee to identify the use of the microcomputer as a high priority in conducting the FBMA instructional program (Adult Teacher Advisory Committee, 1983). Therefore, this project addresses an appropriate concern in the implementation of the analysis phase of the FBMA program in Missouri.

The need for this project was based on outcomes of past studies, the information collected from participants and planners involved with the adult/young farmer phase of the vocational agriculture program, and on recommendations of the adult teacher advisory committee to place the use of microcomputers as a high priority in planning for the FBMA instructional program.

Objectives

The goal of this project was to ascertain the feasibility of utilizing the microcomputer for gathering and transmitting farm record information to the analysis portion of the Farm Business Management Analysis program.

The specific project objectives were:

1. To ascertain the feasibility of using the microcomputer to gather and transmit data to a central location for the FBMA analysis.
2. To ascertain the feasibility of using the microcomputer to gather and transmit standardized summary data analyzed locally to a central location for inclusion in a statewide summary.
3. To ascertain if it is feasible to return statewide data to the local educational agency by terminal.
4. To identify and evaluate software for the purpose of gathering and transmitting information for the FBMA analysis for the Apple IIe, IBM pc, and TRS-80 Model 4 microcomputers.
5. To develop additional software programs for the purpose of gathering and transmitting information for the FBMA analysis for the Apple IIe, IBM pc, and TRS-80 Model 4 microcomputers.
6. To conduct field tests and modify software as necessary.

Population and Sample

The target population for the benefits of this project included 75 programs for adults in vocational agriculture in Missouri. The intent of the project was to explore ways of helping adult instructors do a better job by adjusting and streamlining the process of compiling end-of-year record analyses. A goal of 500 sets of farm records per year has been established for the FBMA program statewide and it is anticipated that successful results from this project will help attain that

goal.

During the field testing phase of the project, sample records were utilized in testing the programs by teachers from nine locations in Missouri. The locations included:

Cameron
Centralia
Columbia
Maryville
Monroe City
Paris
Salisbury
Shelbyville
Washington

Conclusions and Recommendations

Objective 1: To ascertain the feasibility of using the microcomputer to gather and transmit data to a central location for the FBMA analysis.

It was demonstrated that it is feasible to gather FBMA summary data by use of a microcomputer. This conclusion was supported by the ability of the customized (developed) FBMA software program for data entry to meet or exceed the FBMA software specifications during pilot and field testing. Therefore, it was concluded that the customized FBMA program for data gathering is feasible for: a. gathering FBMA summary data for subsequent analysis, b. providing limited local summaries, c. providing a means for error checking and correcting before information is sent for analysis.

Based on the increasing availability of commercial telecommunication software and the relatively small size of the data files to be transferred, it was concluded that the microcomputer could be used to transmit FBMA data for analysis.

Objective 2: To ascertain the feasibility of using the microcomputer to gather and transmit standardized summary data analyzed locally to a central location for inclusion in a statewide summary.

The committee agreed that for this project the level of analysis needed is that currently provided for FBMA by the St. Joseph Data Service Inc. It was also agreed that the type of local analysis which seems desirable should be a spinoff of the input approach and provide data such as that found on Forms 27

(Cash Flow), 28 (Financial Statement), and 29 (Profit and Loss Statement) of the Missouri Young Farmer record book. Therefore, it was concluded that it was not feasible to compute analysis for the FBMA program on microcomputers at the local level or to provide local data to be used for a statewide summary. However, the custom software was written to provide limited summary output at the local level.

Objective 3: To ascertain if it is feasible to return statewide data to the local educational agency by terminal.

Evaluating the feasibility of such data transfer hinged on the ability of individual departments to be able to handle the return of data in terms of file transfer over telephone lines and the associated printing. Also, the feasibility of this objective was related to the type of output available from the analysis.

The following factors were considered: The St. Joseph Data Service report generation program is not presently set up to summarize records on devices which would allow file transfer. It does not appear to be time efficient to enter summary data on the computer for statewide distribution. Time savings from this activity at this time doesn't justify increased expenses. Presently most local departments do not have the needed equipment to receive and print information.

Therefore, it was concluded that it is not feasible at this time to transmit summary data to the local educational agencies via terminals.

Objective 4: To identify and evaluate software for the purpose of gathering and transmitting information for the FBMA analysis for the Apple IIe, IBM pc, and TRS-80 Model 4 microcomputers; and, Objective 5: To develop additional software programs for the purpose of gathering and transmitting information for the FBMA analysis for the Apple IIe, IBM pc, and TRS-80 Model 4 microcomputers.

Information gathered regarding tele-communications software programs suggested that the following factors and attributes need to be considered when selecting tele-communication software.

1. Ease of use menu/command driven.
2. Satisfactory documentation.
3. Must be able to send files located on disk.
4. Must be capable of X-MODEM protocol transfers (checksum).
5. Desirable to have 80 columns.
6. Desirable to have auto-dial, a factor of the modem as well as the software.
7. Desirable to have help screens with status messages on screen.
8. Ability to change configuration to adapt to many different communication environments.
9. Able to convert different file types for transferring.
10. Ability of package to integrate with other software programs.

Based on the above factors and attributes, and the uniqueness and complexity of the needs of the FBMA program, it was concluded that existing software programs were not available for use in gathering data for the FBMA analysis and that a customized program should be developed. However, it was concluded that existing software programs were available for use in transmitting data files.

Objective 6: To conduct field tests and modify software as necessary.

Pilot and Field testing were successful and it was concluded that the software program for data entry has met or exceeded specifications (Appendix B).

Based on the above information, The following recommendations were made:

The FBMA staff should proceed with the dissemination of the data gathering programs during the Fall of 1985 and that the teachers be encouraged to use the programs to gather data for the 1985 analysis.

Although it was demonstrated that it is possible to transfer data via telephone lines using microcomputers, the transmitting of data for analysis should be undertaken under a pilot basis during the spring of 1986. The implementation of the use of the microcomputer in transmitting data for analysis should be based on the experiences gained from the pilot test.

III. ATTACHMENTS

Procedures

The project was guided by input from an advisory committee of FBMA teachers from five districts in the state, representatives of farming and agribusiness, supervisors in Agricultural Education and the Research Coordinating Unit, Department of Elementary and Secondary Education, and staff members in Agricultural Education and Agricultural Economics, University of Missouri-Columbia. This committee provided early input for the project and helped guide the work of the project staff. The specific responsibilities of the project advisory committee were outlined at the first meeting as follows: a. Provide feedback as to the needs of FBMA clients as it relates to this project. b. Give philosophical assistance in regard to the direction of the project. c. Give technical assistance in regard to the direction of the project. d. Evaluate the progress being made by the project staff. e. Help in the determination of feasibility of selected activities. f. Help in determining the continuation of the activities of the project. g. Make recommendations when appropriate.

The committee was brought together three times to evaluate the progress and to help in the determination of the feasibility and continuation of the project activities. A final meeting was held to evaluate the systems emerging from the accomplishments of the objectives and make recommendations concerning the use of systems and materials from the project.

The project coordinator worked with the project director and the project advisory committee in progressing toward

accomplishing each of the objectives. Given the nature of a feasibility study, the design of this project allowed for discontinuation at any point if the feasibility of the remaining objectives was determined to not be appropriate. An early activity of the project related to identifying the type of analysis needed by the FBMA program. Discussion in regard to analysis at the Advisory Committee meeting and experience with teacher committees resulted in the recommendation that the present analysis received from St. Joseph Data Service was the minimum acceptable analysis for the FBMA program. It was further concluded that St. Joseph Data Service has mechanisms in place to update their product with the changes in the tax laws and demands of their clients. Information gathered from past vocational agriculture teachers' meetings, testimonies by past directors of the FBMA program, pilot testing information (Denker and Stewart, 1980) and four years of actual use led to the conclusion that the present computer analysis system offers acceptable information.

The project advisory committee agreed that for this project the level of analysis needed is that currently provided for FBMA by St. Joseph Data Service Inc.. It was also agreed that the type of summaries generated at the local departments should be consistent with forms 27 (Cash Flow), 28 (Financial Statement), and 29 (Profit and Loss Statement) of the Missouri Young Farmer record book.

Based on the above decision, the challenge was to determine the best possible method for gathering data for subsequent

analysis by the present computerized analysis system. After investigating possible available software programs for gathering data, the project staff developed a list of feasibility factors and possible methods of data gathering. A two step process was then employed to determine the most important factors to consider for gathering data and to determine if there was a method which was acceptable, based on the identified factors. A matrix was used giving the feasibility factors on one side and a rating of these factors as to their being imperative, important, or a luxury. (Appendix A, Item 1) After advisory committee members had an opportunity to evaluate the factors as to their relative importance, a second matrix was used. The second matrix provided a system for evaluating the methods of data collection on the factors judged to be important to the project (Appendix A, Item 2). Information provided by these matrixes were presented to the project advisory committee to aid in making judgements concerning the feasibility of using the microcomputer. Members concluded that the project should pursue the development of a customized program first, data base manager second, and an electronic spreadsheet third, as a means of FBMA data gathering.

Software specifications were developed for "a customized program for FBMA data entry" (Appendix B) and submitted for bids following standard operating procedures for state agencies. A bid was secured within budget for development of a customized software program to run on the IBM pc, Apple IIe, and TRS 80 Model 4 microcomputers. As a part of the above activity, this allowed the initial go ahead for the development of a customized program for FBMA data gathering at the local education agency

level. A program development model was used as a guide in the development of the customized software program (Appendix C). All products were delivered on schedule.

The feasibility of gathering data via the use of the customized program was initially based on the ability to secure a bid within the budgeted amount. Secondly, the delivered programs were evaluated based on criteria that were developed through the pilot tests and the software specifications. Appropriate field test sites were identified. During the field testing phase of the project, sample records were utilized in testing the programs by teachers from nine locations in Missouri. The locations included: Cameron, Centralia, Columbia, Maryville, Monroe City, Paris, Salisbury, Shelbyville, and Washington. The final determination of feasibility was based on the ability of the software to meet the "FBMA Custom Software Specifications", the results of the field tests and the final determination by the project advisory committee.

Software programs were identified for use in transmitting data as a second phase of the project. Potential software was identified by using current issues of computer magazines, contacting software distributors, and consulting with software dealers. Selected software packages where acquired and tested for their adequacy for this project. These programs where tested and evaluated based on the following guidelines.

1. Ease of use menu/command driven.
2. Satisfactory documentation.
3. Must be able to send files located on disk.
4. Must be capable of X-MODEM protocol transfers (checksum).
5. Desirable to have 80 columns.

6. Desirable to have auto-dial, a factor of the modem as well as the software.
7. Desirable to have help screens with status messages on screen.
8. Ability to change configuration to adapt to many different communication environments.
9. Able to convert different file types for transferring.
10. Ability of package to integrate with other software programs.

Evaluations of the different tele-communication software programs were made based on their performance in transmitting FBMA data. This information was presented to the advisory committee to aid in making judgements concerning the feasibility of using the microcomputer for transmitting information for FBMA analysis. Three selected programs were evaluated for use in uploading and downloading data. Based on the findings of the performance evaluations, factors and attributes where identified to aid in the recommendations of other tele-communication software programs not specifically tested by the project staff; thereby, recognizing that there may be other packages that can work, given that they have the identified factors and attributes.

The feasibility of returning analysis data to the local schools was dependent on the ability of individual departments to be able to handle the return of data in terms of file transfer over telephone lines and subsequent printing. Also, the fulfillment of this objective was limited by the ability of the data service to provide return data in a format for electronic transmission. This objective was judged to be not feasible, after determination of the following factors/limitations. (1) St. Joseph Data Service doesn't have the equipment available for such a data transfer. (2) The St. Joseph Data Service report generation program is not presently

set up to summarize records on devices which would allow file transfer. (3) It does not appear to be time efficient to re-enter summary data for statwide distribution. (4) Output forms would most likely have to be altered. (5) Time savings from this activity at this time doesn't justify increased expenses. (6) The limited ability of local departments to receive and print information.

In summary, all objectives were systematically studied. Materials, committee input, research reviews, and field tests were utilized in making judgements concerning these objectives. Finally, deliverables in the form of programs to gather data for the FBMA analysis using the IBM pc, APPLE IIe, TRS-80 Model 4 and accompanying documentation were developed.

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Instruments/Documents

Feasibility Checklists: (Appendix A)

Specifications: (Appendix B)

Program Development Model: (Appendix C)

Manual: (Appendix D)

Sample Output: (Appendix E)

Glossary

BASIC (Beginner's All-purpose Symbolic Instruction Code): A relatively easy-to-use language that comes with many small computer systems. The FBMA data entry program is written in Microsoft's MBASIC.

Baud Rate: The speed at which information is exchanged over communication lines. Most common rates are 300 and 1200 bauds.

Bulletin Board System (BBS): A software program that allows computer systems an organized way to store and manage messages and data files for use by other computer systems. The BBS investigated for use by the FBMA program is called FIDO.

Compiled BASIC: BASIC code converted to a machine readable form, thus providing increased speed in program execution. The FBMA data entry program as distributed will be in the compiled form.

CP/M (Control Program for Microcomputers): A general purpose operating system that uses a Z-80 processor as it's brain. As used in the Apple this requires the installation of a separate CP/M card (i.e. Microsoft's premium softcard IIe).

Data File: A collection of Farm summary information.

FBMA: Farm Business Management Analysis

File: A collection of related records.

Gathering: The process to collect and store farm summary data.

Hardware: The phyiscal components of a computer system.

Input: The data that is entered into the computer.

MODEM (modulator demodulator): a device to allow communication between two computer systems over the telephone lines.

Output: The information printed by the computer. The FBMA program prints or displays an error listing and summary information.

Software: A general term for computer programs involved in the operation of the computer.

SYSOP (system operator): The person in charge of a bulletin board system.

Tele-communication Software: Software used for the purpose of communications between two computers. Usually this software facilitates transferring of files or information between two computer systems.

Transmitting: The process of exchanging data from one computer system to another, generally over the telephone lines.

IV. FINAL PRODUCT

As a result of the findings of this project the following represent the deliverables:

1. IBM version of FBMA data gathering program (both source and object code on two diskettes).

2. APPLE IIe version of FBMA data gathering program (both source and object code on four Diskettes).

3. TRS 80 Model 4 version of FBMA data gathering program (both source and object code on four Diskettes).

4. Manual for use of FBMA data gathering program.

5. Manual for transmitting data by the use of a Bulletin Board System (BBS).

"The activity which is the subject of this report was supported in whole or in part by funds from the Department of Elementary and Secondary Education, Division of Career and Adult Education. However, the opinions expressed herein do not necessarily reflect the position or policies of the Missouri Department of Elementary and Secondary Education or the Division of Career and Adult Education, and no official endorsement should be inferred."

APPENDIX A

APPENDIX A

Item 1

A Feasibility Study of the Use of Microcomputers and Related Software for Gathering and Transmitting Data for the FBMA Program

FEASIBILITY CHECKLIST

Check each of the following based on the importance of that feasibility factor, as to whether that factor is Imperative, Important, or a Luxury when considering the development of a method of data entry and transfer.

Feasibility Factors	Imperative	Important	Luxury
Compatibility			
Machine(s) Brand/Model			
Adaptability			
Memory requirements			
Programming language			
Ease of Use			
Documentation			
Technical support			
Menus			
Error correction routines			
Inservice needed			
Screen Formatting			
Input			
minimum of 6 enterprises			
titles match input forms			
edit mask for checking input			
Ability to customize			
Output			
Error listing			
data necessary for present analysis			

APPENDIX A

Item 2

A Feasibility Study of
the Use of Microcomputers and Related Software for
Gathering and Transmitting Data for the FBMA Program

FEASIBILITY VERUS METHOD FOR DATA ENTRY

Feasibility Factors	Electronic Spreadsheet	Data Base Manager	Customized Program
Compatibility			
Machine(s) Brand/Model			
Adaptability			
Memory requirements			
Programming language			
Ease of Use			
Documentation			
Technical support			
Menus			
Error correction routines			
Inservice needed			
Screen Formatting			
Input			
minimum of 6 enterprises			
titles match input forms			
edit mask for checking input			
Ability to customize			
Output			
Error listing			
data necessary for present analysis			
Cost (Overall)			
Program			
Unit			
Development			

APPENDIX B

A Feasibility Study of the Use of Microcomputers and Related Software for Gathering and Transmitting Data for the FBMA Program

Custom Software Specifications

For

Farm Business Management Analysis (FBMA)

Data Gathering Program

Submitted by

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Farm Business Management Analysis (FBMA)

Customized Program

Table of Contents

I. Mandatory items

A. Major objectives of the FBMA program

B. Program specifications

1. Compatibility

2. Screen formatting

3. Ease of use

4. Input

5. Output

6. Data storage

II. Desirable

III. Agreement

IV. Timetable

V. To be specified

Appendices

A. Screen formatting

B. Error/Informational listings

CUSTOM SOFTWARE SPECIFICATIONS

I. Mandatory items

A. Major objectives of the customized program.

1. Provide a medium from which farm business summary data can be conveniently inputed consistent with the present FBMA input forms.

2. Provide a means of extensive error checking and correction of mistyped and redundant data.

3. Provide a local summary consistent with Missouri Young Farmer Record Book forms 27, 28 and 29 or equivalent.

4. Provide hardcopy output of data consistent with St. Joseph Data Services input forms.

5. Provide hardcopy output of input screens.

6. Program must organize output of data to disk consistent with St. Joseph Data Service input requirements for present St. Joseph Data Services' analysis.

7. Program must provide for all input data necessary for present St. Joseph Data Services' analysis.

B. Program Specifications

1. Compatibility

A). Program must be written to work on Apple IIe, and TRS 80 Model 4, and IBM PC.

B). Programming language is at the discretion of the bidder.

2. Screen Formatting (See appendix B)

3. Ease of Use

A). Documentation adequate to start up and run program.

B). Help screens.

a. Menu of commands: screen selection, print, movement through out screens, help, save, quit.

b. Menu of special function keys: tabbing, clear screen, delete entry, delete character, save entry, advance one line, advance one field.

c. Appropriate informational, warning, and error messages indicating sources of problem(s).

C). Movement of cursor within screens.

a. Capability of tabbing throughout fields.

b. Movement backward and forward with logical keystrokes identified for this purpose.

c. Capability of movement to: new line, top of screen, bottom of screen, home or command field.

D). Movement throughout all screens.

a. Sequential order during initial input.

b. Random screen selection and logically identified keystrokes to allow movement.

4. Input

A). Full screen editing

B). Provides for "repeating" data input screens.

C). Provides an edit mask for checking invalid input for both numeric and character entries.

D). Automatic right justification of numeric values.

5. Output

A). Error listing consistent with current St. Joseph Data Services "Year End" programs' error listing (both to the moniter and printer) indicating possible sources of error (see appendix B) and Instructions for Inputting Illinois Farm Business Record for Electronic Data Processing (part II & III).

B). Prints summaries (see Appendix B)

C). Print out consistent with St. Joseph Data Service data entry form (See appendix D, forms 10, 10a, 11, 11a & 12)

6. Data Storage

A). Data storage should be made compatible with the existing St. Joseph Data Service "Year End" data input and recording program.

B). Classification of enterprise accounts should be made the same as the existing St. Joseph Data Service recordkeeping accounts.

C). Data structure of file(s) should be organized in a manner as to facilitate transferring of input data via telephone.

II. Desirable items

A). Able to store multiple farms on one disk and access them individually.

B). Able to generate list of farmers from a disk either to monitor and/or printer

C). Storage in standard ASCII text file

D). Able to estimate amount of space on data disk

E). Data table, listing all variables and their attributes provided in documentation

F). Help screens for every entry screen.

G). Documentation that contains the following sections: Overview, informational section, summary of commands, troubleshooting guide, technical section, table of contents, and a index.

III. Agreement

A). All products resulting from this contract will become the property of the State of Missouri.

B). Be it known that the activity which is the subject of this document was supported in whole or in part by funds from the Department of Elementary and Secondary Education, Division of Career and Adult Education. However, the products that result herein do not necessarily reflect the position or policies of the Missouri Department of Elementary and Secondary Education or the Division of Career and Adult Education, and no offical endorsement should be inferred.

C). Suggestions and modifications to this set of specifications can be altered if mulually agreed at any point during the development of this project.

VI. Timetable

A).	Design	January
B).	Programming	February - April
*C).	Testing	April
D).	Optimization	May
E).	Acceptance	June
F).	Operation	June

* IBM version delivered by April 30th.

V. To be specified

A). Complete package price including any associated costs (i.e. training, special equipment purchases, etc.) if necessary.

FBMA SOFTWARE SPECIFICATIONS

APPENDIX A

SCREEN FORMATTING

DESCRIPTION

CUSTOM SOFTWARE SPECIFICATIONS

FOR

FARM BUSINESS MANAGEMENT ANALYSIS (FBMA)

I. General Screen Descriptions

A). All data input screens must have the ability to input multiple arrangements with other landlords and operators.

B). All data input screens requiring crop and livestock enterprise codes must allow for a sufficient number of entries, as limited by St. Joseph Data Service analysis.

C). All screens will be designed so that at the completion of entering data in any screen, one can save and advance to the next screen or select any screen desired or create more pages of the same entry form. In the case where one has pages of the same form an indication to what page should be made automatically in the upper left hand corner.

D). All forms should allow operator to continue even if entries are incomplete. The only exception is that the informational number/name field must be completed.

E). All screens default to Operator/Landlord [01], with cursor in COMMAND field.

F). All screens will have status codes so as to facilitate changing, adding and/or deletion.

G). All screens should give appropriate error messages when they occur. Program shouldn't allow entry of invalid ENT. CODEs, Operator/Landlord Codes, or numbers out of range.

H). Legend

[ ] = Input area

[12345] = Minimum Number of digits

<---------- SCREEN ---------->

APPENDIX A

CUSTOM SOFTWARE SPECIFICATIONS

FOR

FARM BUSINESS MANAGEMENT ANALYSIS (FBMA)

(SCREEN FORMATTING)

<---------- Screen size = 80 columns by 24 lines ----------> Screen 1

<---------- SCREEN ---------->

```
H1                              MAIN HELP SCREEN 1
Command [     ]

Screen                    Screen
ID     Category       Description
-------------------------------------
N1    - Demographic- New Farm information
R1    - Receipt    - Crop Receipts
R2    - Receipt    - General Receipts
R3    - Receipt    - Livestock Receipts
R4    - Receipt    - Livestock Receipts
R5    - Receipt    - Accounts Receivable
E1    - Expense    - Purchased Feeds
E2    - Expense    - Itemized Expenses
E3    - Expense    - Itemized Expenses
E4    - Expense    - Livestock Expenses
E5    - Expense    - General Expenses
PL    - Special    - Purch. Cost of Lvstk
HL    - Special    - Hired Labor
LE    - Enterprise - Livestock Enterprise(s)
LE1   - Enterprise - Livestock Enterprise(s) Dairy, Poutry & Sheep
CE    - Enterprise - Operator New Crop Enterprise Record
```


<---------- Screen size = 80 columns by 24 lines ----------> Screen 2

```
<------------------------------ SCREEN ------------------------------------>

H2                                  HELP SCREEN 2
Command [     ]

Screen                    Screen
ID     Category         Description
-----------------------------------------
L     - Inventory    - Land Inventory
LI    - Inventory    - Livestock Inventory
OL    - Inventory    - Other Livestock Inventory
CI    - Inventory    - Crop Inventory
OC    - Inventory    - Other Crop Inventory
AN    - Financial    - Assets Non-Farm
AF    - Financial    - Assets Farm
LN    - Financial    - Liabilities
LF    - Financial    - Liabilities
CA    - Special      - Enterprise cost allocation
H1    - Help         - Main Help Screen Numbers
H2    - Help         - This Screen Continuation of 1
H3    - Help         - Special Function Keys




<--------------- Screen size = 80 columns by 24 lines ----------> Screen 3


<------------------------------ SCREEN ------------------------------------>

H3                                  HELP SCREEN 3
Command [      ]

KEY-
STROKE(S)                 FUNCTION
---------------------------------------
<ESC>              -  Clear screen and refresh
DELETE             -  Delete character to left
-> Arrow           -  Advance to next field
<- Arrow           -  Backup one field
Down Arrow         -  Advance to next line
Up Arrow           -  Up one line
<Enter>            -  Advance to next field
F1                 -  Moves cursor to Home or Command field
F2                 -  Saves entries and Forward one screen
F3                 -  Saves entries and backup one screen

EDITA              -  Print Error listing
EDITD              -  Depreciation
ERROR              -  Display Error listing
END                -  End input program
```



```
<--------------- Screen size = 80 columns by 24 lines ----------> Screen 4
```

<----------------------------- SCREEN ----------------------------------->

STATUS [00] OF N1 NEW FARM FORM 1

COMMAND [1234] Enter command or Screen Number or ? = HELP

ENTER FILE NAME (IF OLD FILE):

FARM NUMBER [ ]

COUNTY NUMBER [ ]

SCHOOL NUMBER [ ]

IDENTIFICATION NUMBER/NAME [ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 5

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF R1 RECEIPT FORM 1

COMMAND [ ] Enter command or Screen Number or ? = HELP

CROP RECEIPTS	Operator/Landlord Number [ ]	Operator/Landlord Number [ ]
ENT.	QUANTITY $	QUANTITY $
[ ] Descriptions	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]
[ ]	[ ] [ ]	[ ] [ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 6

<----------- SCREEN ----------->

STATUS [ ] OF R2 RECEIPT FORM 2

COMMAND [ ] Enter command or Screen Number, ? = HELP

RECEIPTS DESCRIPTION	Operator/Ld Number [ ] $	Operator/Ld Number [ ] $
GOVERNMENT PAYMENTS	[ ]	[ ]
CUSTOM WORK	[ ]	[ ]
DIVIDENDS	[ ]	[ ]
REFUNDS	[ ]	[ ]
RESALES	[ ]	[ ]
CASH RENT, LD SETTLEMENT	[ ]	[ ]
OTHER FARM RECEIPTS	[ ]	[ ]
STATE GAS TAX REFUND	[ ]	[ ]
FEDERAL GAS TAX REFUND	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 7

<----------- SCREEN ----------->

STATUS [ ] OF R3 RECEIPT FORM 3

COMMAND [ ] Enter command / Screen Number / ? = HELP

LIVESTOCK SALES	Operator/Landlord Number [ ]			Operator/Landlord Number [ ]		
ENT. NON-BRD LVSTK	NO.	QUAN/LBS	$	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
ENT. BRD LVSTK	NO.	QUAN/LBS	$	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
ENT. LIVESTOCK PRODUCTS	LBS/DOZ/ETC		$	LBS/DOZ/ETC		$
[ ]	[ ]		[ ]	[ ]		[ ]
[ ]	[ ]		[ ]	[ ]		[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 8

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF R4 RECEIPT FORM 4

COMMAND [ ] Enter command or Screen Number, ? = HELP

RECEIPTS	Operator/Ld Number [ ]	Operator/Ld Number [ ]
DESCRIPTION	$	$
MACH. EQUIP., BLDGS. SOLD	[ ]	[ ]
MONEY BORROWED	[ ]	[ ]
NON - FARM RECEIPTS	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 9

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF R5 RECEIPT FORM 5

COMMAND [ ] Enter command or Screen Number, ? = HELP

RECEIPTS RECEIVABLE	Operator/Ld Number [ ]	Operator/Ld Number [ ]
DESCRIPTION	$	$
GOVERNMENT PAYMENTS	[ ]	[ ]
CUSTOM WORK	[ ]	[ ]
DIVIDENDS	[ ]	[ ]
REFUNDS	[ ]	[ ]
RESALES	[ ]	[ ]
CASH RENT, LD SETTLEMENT	[ ]	[ ]
OTHER FARM RECEIPTS	[ ]	[ ]
STATE GAS TAX REFUND	[ ]	[ ]
FEDERAL GAS TAX REFUND	[ ]	[ ]

INDICATE BEGINNING OR ENDING

<---------- Screen size = 80 columns by 24 lines ----------> Screen 10

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF E1 EXPENSE FORM 1

COMMAND [ ] Enter command or Screen Number or ? = HELP

PURCHASED FEEDS	Operator/Landlord Number [ ]		Operator/Landlord Number [ ]	
ENT.	QUANTITY	$	QUANTITY	$
[123] DESCRIPTIONS	[00000000]	[1234567]	[00000000]	[1234567]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[110]	[ ]	[ ]	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 11

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF E2 EXPENSE FORM 2

COMMAND [ ] Enter command or Screen Number, ? = HELP

EXPENSES	Operator/Ld Number [ ]	Operator/Ld Number [ ]
DESCRIPTION	$	$
VET., MEDICINE	[ ]	[ ]
BREEDING FEES, REGISTR	[ ]	[ ]
FERTILIZER, LIME	[ ]	[ ]
CROP CHEMICALS	[ ]	[ ]
SEEDS, CROP SUPPLIES	[ ]	[ ]
MACHINERY REPAIR, MAINT.	[ ]	[ ]
BUILDING, FENCE REPAIR	[ ]	[ ]
MACHINERY, TRUCK HIRE	[ ]	[ ]
CASH RENT, LD SETTLEMENT	[ ]	[ ]
POWER, FUEL, OIL, & GREASE	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 12

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF E3 EXPENSE FORM 3

COMMAND [ ] Enter command / Screen Number / ? = HELP

EXPENSES DESCRIPTION	Operator/Ld Number [ ] $	Operator/Ld Number [ ] $
HIRED LABOR	[0000000]	[0000000]
INSURANCE	[ ]	[ ]
TAXES	[ ]	[ ]
UTILITIES (Farm Share)	[ ]	[ ]
TRUCK EXPENSES	[ ]	[ ]
AUTO EXPENSES	[ ]	[ ]
MISC. FARM EXPENSES	[ ]	[ ]
INTEREST	[ ]	[ ]
SOIL & WATER	[ ]	[ ]
DRYING & STORAGE	[ ]	[ ]
LVSTK SUPPLIES	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 13

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF E4 EXPENSE FORM 4

COMMAND [ ] Enter command / Screen Number / ? = HELP

LIVESTOCK EXPENSES	Operator/Landlord Number [ ]			Operator/Landlord Number [ ]		
ENT. NON-BRD LVSTK	NO.	QUAN/LBS	$	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
ENT. BRD LVSTK	NO.	QUAN/LBS	$	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 14

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF E5 EXPENSE FORM 5

COMMAND [ ] Enter command or Screen Number, ? = HELP

EXPENSES DESCRIPTION	Operator/Ld Number [ ] $	Operator/Ld Number [ ] $
MACH. & EQUIP. PURCHASES	[ ]	[ ]
BUILDINGS PURCH. /IMPROV.	[ ]	[ ]
LAND IMPROV. CAPITALIZED	[ ]	[ ]
LAND IMPROV. DEPRECIATED	[ ]	[ ]
LAND PURCHASED	[ ]	[ ]
PRINCIPAL PAID	[ ]	[ ]
NON-FARM EXPENSE	[ ]	[ ]
NON-FARM INVESTMENT	[ ]	[ ]
FAMILY LIVING	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 15

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF PL PURCHASED COST LIVESTOCK SOLD

COMMAND [ ] Enter command / Screen Number / ? = HELP

EXPENSE ENT.	Operator/Ld Number [ ] $	Operator/Ld Number [ ] $
[ ] DESCRIPTIONS	[0000000]	[0000000]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 16

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF HL HIRED LABOR

COMMAND [ ] Enter command / Screen Number / ? = HELP

LABOR	MONTHS	MONTHS
HIRED LABOR	[12345]	[12345]
UNPAID OPERATOR LABOR	[ ]	[ ]
UNPAID FAMILY LABOR	[ ]	[ ]

Last digit entered equals tenths for hired labor (i.e. 125 = 12.5)

<---------- Screen size = 80 columns by 24 lines ----------> Screen 17

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF LE LIVESTOCK ENTERPRISE RECORD

COMMAND [ ] Enter command or Screen Number or ? = HELP

LIVESTOCK ENTERPRISE [000]

OPERATOR/LANDLORD NUMBER [ ]

FEED CODE	QUANTITY	$	BREEDING RECORD	NUMBER	WT
[ ]	[ ]	[ ]	DEATH LOSS	[ ]	[ ]
[ ]	[ ]	[ ]	AVG FEMALES HERD	[ ]	
[ ]	[ ]	[ ]	BIRTHS	[ ]	
[ ]	[ ]	[ ]	BORN	[ ]	
[ ]	[ ]	[ ]	WEANED	[ ]	
[ ]	[ ]	[ ]		[ ]	
[ ]	[ ]	[ ]			

		NO.	LBS	$
PASTURE DAYS [ ]	CONSUMED	[ ]	[ ]	[ ]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 18

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF LE1 LIVESTOCK ENTERPRISE RECORD 1

COMMAND [ ] Enter command or Screen Number or ? = HELP

LIVESTOCK ENTERPRISE [ ]

OPERATOR/LANDLORD NUMBER [00]

DAIRY	NUMBER	POULTRY	DOZENS	$
% TEST	[0000]	EGGS PROD.	[1234]	[1234]
COWS DRY	[ ]	EGGS PURCH	[ ]	[ ]
COWS MILKED	[ ]	EGGS CONS.	[ ]	[ ]
GAL. FED	[ ]	EGGS SOLD	[ ]	[ ]

Last digit entered equals tenths for % test (i.e. 312 = 31.2)

<---------- Screen size = 80 columns by 24 lines ----------> Screen 19

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF CE OPERATORS NEW CROP ENTERPRISE RECORD

COMMAND [ ] Enter command or Screen Number or ? = HELP

ENTERPRISE [ ]

ACRES	PURCHASES QUANTITY	PURCHASES $	SALES QUANTITY	SALES $
[12345678]	[12345678]	[00000000]	[00000000]	[00000000]

FOR SEED QUANTITY	FEED QUANTITY	FEED $	ENDING INVENTORY QUANTITY	ENDING INVENTORY $
[12345678]	[12345678]	[12345678]	[00000000]	[00000000]

<---------- Screen size = 80 columns by 24 lines ----------> Screen 20

<---------- SCREEN ---------->

STATUS [ ] OF L LAND INVENTORY

COMMAND [ ] Enter command or Screen Number or ? = HELP

Operator/Landlord Number [ ]

LAND INVENTORY	ACRES OWNED	ACRES RENTED	TOTAL LAND VALUE OWNED $	TOTAL LAND VALUE RENTED $
TILLABLE CROPLAND	[ ]	[ ]	[ ]	[ ]
NON-TILLABLE LAND	[ ]	[ ]	[ ]	[ ]
NUMBER DOUBLE CROPPED	[ ]	[ ]		

Dollar values in thousands

<---------- Screen size = 80 columns by 24 lines ----------> Screen 21

<---------- SCREEN ---------->

STATUS [ ] OF LI INVENTORY OF LIVESTOCK

COMMAND [ ] Enter command / Screen Number / ? = HELP

END OF [19]

ENT.	B=BRD	N=Non	Operator/Landlord Number [ ] NO.	QUAN/LBS	$	Operator/Landlord Number [ ] NO.	QUAN/LBS	$
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]		[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF CI INVENTORY OF CROPS

COMMAND [ ] Enter command or Screen Number or ? = HELP

END OF [19]

ENT.	Operator/Landlord Number [ ] QUANTITY	$	Operator/Landlord Number [ ] QUANTITY	$
[ ] DESCRIPTION	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF OI OTHER CROP INVENTORY

COMMAND [ ] Enter command / Screen Number / ? = HELP

END OF [19]

CROP SUPPLIES	Operator/Ld Number [ ] AMT. PREPAID $	Operator/Ld Number [ ] AMT. PREPAID $
SEEDS	[ ]	[ ]
FERT., LIME APPLIED	[ ]	[ ]
FERT. STORED	[ ]	[ ]
HERBICIDES	[ ]	[ ]
INSECTICIDES	[ ]	[ ]
FUNGICIDES	[ ]	[ ]
TWINE, ETC.	[ ]	[ ]
FUEL	[ ]	[ ]
OIL	[ ]	[ ]
GREASE	[ ]	[ ]
OTHER CROP SUPPL.	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF OL OTHER LIVESTOCK INVENTORY

COMMAND [ ] Enter command / Screen Number / ? = HELP

END OF [19]

LIVESTOCK SUPPLIES	Operator/Ld Number [ ] AMT. PREPAID $	Operator/Ld Number [ ] AMT. PREPAID $
VET. SUPPLIES	[ ]	[ ]
BEDDING	[ ]	[ ]
OTHER LVSTK SUPPL.	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF AN ASSET FORM 1

COMMAND [ ] Enter command or Screen Number or ? = HELP

END OF [19]

ASSETS	Operator/Landlord Number [ ] MODIFIED COST BASIS	FAIR MKT VALUE	Operator/Landlord Number [ ] MODIFIED COST BASIS	FAIR MKT VALUE
FAMILY BANK BALANCE	[ ]		[ ]	
SAVINGS	[ ]		[ ]	
STOCKS & BONDS	[ ]	[ ]	[ ]	[ ]
ACCTS. & NOTE REC. (NON-F)	[ ]	[ ]	[ ]	[ ]
LIFE INSTR. (CASH VALUE)	[ ]		[ ]	
AUTO (FAMILY SHARE)	[ ]	[ ]	[ ]	[ ]
NON-FARM REAL ESTATE (RES)	[ ]	[ ]	[ ]	[ ]
OTHER NON-FARM (HOUSEHOLD)	[ ]	[ ]	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF AF ASSET FORM 2

COMMAND [ ] Enter command or Screen Number or ? = HELP

END OF [19]

ASSETS	Operator/Landlord Number [ ] MODIFIED COST BASIS	Operator/Landlord Number [ ] FAIR MKT VALUE	Operator/Landlord Number [ ] MODIFIED COST BASIS	Operator/Landlord Number [ ] FAIR MKT VALUE
CASH IN FARM ACCOUNT	[ ]		[ ]	
FARM ACCOUNTS RECEIVABLE	[ ]		[ ]	
OTHER CURRENT FARM ASSETS	[ ]		[ ]	
BREEDING LIVESTOCK	[ ]		[ ]	
MACHINERY & EQUIPMENT	[ ]		[ ]	
BUILDINGS	[ ]		[ ]	
LAND	[ ]	[ ]	[ ]	[ ]
LAND IMPROVEMENTS	[ ]	[ ]	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<----------------------------- SCREEN ----------------------------------->

STATUS [ ] OF LN LIABILITIES FORM 1

COMMAND [ ] Enter command or Screen Number or ? = HELP

END OF [19]

LIABILITY	Operator/LD Number [ ] MODIFIED COST BASIS	Operator/LD Number [ ] MODIFIED COST BASIS
CHARGE ACCOUNTS	[ ]	[ ]
NON-FARM NOTES & MORT (CUR)	[ ]	[ ]
NON-FARM NOTES & MORT (IT.)	[ ]	[ ]
OTHER NON-FARM LIABILITIES	[ ]	[ ]
SHORT TERM FARM NOTES PAY.	[ ]	[ ]
ACCOUNTS PAYABLE	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<---------- SCREEN ---------->

STATUS [ ] OF LF LIABILITIES FORM 2

COMMAND [ ] Enter command or Screen Number or ? = HELP

END OF [19]

LIABILITY	Operator/LD Number [ ] MODIFIED COST BASIS	Operator/LD Number [ ] MODIFIED COST BASIS
PORTION IT. & L.T. DEBT NEXT YR	[ ]	[ ]
ACCRUED LIAB. (TAX/INT/RENT)	[ ]	[ ]
OTHER FARM CURRENT LIAB.	[ ]	[ ]
PORTION I.T. DEBT AFTER NEXT YR	[ ]	[ ]
OTHER FARM I.T. LIAB.	[ ]	[ ]
PORTION L.T. DEBT AFTER NEXT YR	[ ]	[ ]
OTHER FARM LONG TERM LIAB.	[ ]	[ ]

* This screen should appropriately indicate "BEGINNING" OR "ENDING".

<---------- SCREEN ---------->

STATUS [ ] OF CA ENTERPRISE COST ALLOCATION FORM

COMMAND [ ] Enter command or Screen Number or ? = HELP

ENTERPRISE [00]

Operator/Landlord Number [ ]

	% OR $			% OR $	
VET., MEDICINE	[ ]	[ ]	TAXES	[ ]	[ ]
BRD. FEES, REGR.	[ ]	[ ]	UTILITIES	[ ]	[ ]
FERT., LIME	[ ]	[ ]	TRUCK EXPENSES	[ ]	[ ]
CROP CHEMICALS	[ ]	[ ]	AUTO EXPENSES	[ ]	[ ]
SEEDS,CROP SUPPL	[ ]	[ ]	MISC. FARM EXP.	[ ]	[ ]
MACH REPR, MAINT	[ ]	[ ]	INTEREST	[ ]	[ ]
BLD., FENCE REPR	[ ]	[ ]	SOIL & WATER CON	[ ]	[ ]
MACH.,TRUCK HIRE	[ ]	[ ]	DRYING & STORAGE	[ ]	[ ]
CASH RENT/LD SET	[ ]	[ ]	LVSTK SUPPLIES	[ ]	[ ]
PWR,FUEL,OIL&GRS	[ ]	[ ]	MACHINE DEPREC	[ ]	[ ]
HIRED LABOR	[ ]	[ ]	BUILDING DEPREC	[ ]	[ ]
INSURANCE	[12]	[ ]			

APPENDIX B

Farm Business Management Analysis (FBMA)

Customized Program

INFORMATIONAL/ERROR LISTING

FARM NUMBER [ ]

COUNTY NUMBER [ ]

FIELDMAN NUMBER [ ]

IDENTIFICATION NUMBER/NAME [ ]

STATUS [ ]

LIVESTOCK CHECKLIST

Operator/Landlord Number [ ]

ENT. CODE	BEGIN INVENT.	NUMBER PURCH.	BORN/ WEANED	EQUAL "=" or NUMBER OFF	END INVENT.	NUMBER SOLD	NO. DIED	NO. CONSMD
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[123]	[000000]	[000000]	[00000]	=	[000000]	[000000]	[00000]	[00000]

CROP CHECKLIST

Operator/Landlord Number [ ]

ENT.	BEGIN INVENTORY	QUANTITY RAISED	QUANTITY PURCHASED	EQUAL "=" NUMBER OFF	END INVENTORY	QUANTITY FED	QUANTITY SOLD	QUANT. SD/USED
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	=	[ ]	[ ]	[ ]	[ ]
[123]	[0000000]	[000000]	[0000000]	=	[0000000]	[0000000]	[0000000]	[0000]

OMIT BRACKETS ON THIS SCREEN

INFORMATIONAL/ERROR LISTING 1

Category		Description	Code	Screen	Error Type
Crop/Feed					
1.	NO	CROP DOLLARS	_____	_____	CRITICAL
2.	NO	CROP QUANTITY	_____	_____	CRITICAL
3.	NO	CROP ENTERPRISE	_____	_____	CRITICAL
Livestock					
1.	NUMBER	LIVESTOCK NUMBERS	_____	_____	CRITICAL
2.	NUMBER	LIVESTOCK WEIGHT	_____	_____	CRITICAL
3.	NUMBER	LIVESTOCK DOLLARS	_____	_____	CRITICAL
Input Missing					
1.	NO NAME			_____	CRITICAL
2.	NO TILLABLE ACRES			_____	CRITICAL
3.	NO BUILDINGS				WARNING
4.	NO LITTERS FARROWED		_____	_____	CRITICAL
5.	NO FARM NUMBER				CRITICAL
6.	NO COUNTY NUMBER				CRITICAL
7.	NO FIELDMAN NUMBER				CRITICAL
8.	NO IDENTIFICATION NUMBER/NAME				CRITICAL
Balancing					
1.	CASH RENT PAID _____ _____ NOT EQUAL TO CASH RENT RECEIVED _____			_____	CRITICAL
2.	SUM OF ALLOCATED EXPENSE _____, _____ NOT EQUAL TO TOTAL EXPENSE _____, _____				WARNING
3.	TOTAL TILLABLE ACRES PLUS DOUBLE CROP ACRES EXCEEDS CROP ACRES BY _____				WARNING
4.	EGGS _____ DO NOT BALANCE				
5.	MORE THAN 11 LIVESTOCK COLUMNS				CRITICAL
6.	CHECK DECIMAL COWS-MILK PER COW HIGH				CRITICAL
7.	PERCENT TEST TOO HIGH OR LOW CHECK DECIMAL LABOR - LESS THAN 10 MONTHS				WARNING
8.	CUSTOM WORK MORE THAN 40/ACRE - NON-TYPICAL				WARNING

Balancing		
9.	ACRES MORE THAN 10,000	CRITICAL
10.	UNPAID FAMILY LABOR EXCEEDS 239 MONTHS	WARNING
11.	LABOR ON TOTAL FARM CANNOT EXCEEDS 499 MTHS	WARNING
12.	UNPAID OPERATOR LABOR LIMIT 99.9 MONTHS	WARNING
13.	LITTERS/FARROWED/FEMALE YR EXCEEDS 2.5 LIMIT OR LESS THAN 1.0	WARNING
14.	PIGS WEANED/FEMALE YEAR EXCEEDS 40 LIMITS OR LESS THAN 1.0	CRITICAL
15.	FEMALE YEARS OUTSIDE OF RANGE	WARNING
16.	CROP YIELD TOO HIGH _____	WARNING
17.	CROP YIELD TOO LOW _____	WARNING
18.	LESS THAN 20 ACRES - NON TYPICAL	WARNING
Additional Errors		
19.	ITEM CODE OUT OF RANGE	CRITICAL
20.	DID NOT INCLUDE MTH/YR ACQUIRED	CRITICAL
21.	INVESTMENT CREDIT RATE OUT OF RANGE	CRITICAL
22.	EXPENSE AMOUNT TOO LARGE	CRITICAL
23.	INCORRECT YEARS FOR STRAIGHT LINE	CRITICAL
24.	TRADE IN CODE OUT OF RANGE	CRITICAL
25.	YEARS OF LIFE NOT INCLUDED	CRITICAL
26.	METHOD NOT INCLUDED	CRITICAL
Sold		
27.	ITEM CODE OUT OF RANGE	CRITICAL
28.	DID NOT INCLUDE MTH/YR ACQURIED	CRITICAL
29.	DID NOT INCLUDE ITEM CODE NUMBER (If raised = N)	CRITICAL
30.	INDICATED FOR CROP/FORAGE CODE ____	CRITICAL
31.	ENTERPRISE COST ALLOCATION LESS THAN 100% FOR EXPENSE _____	WARNING
32.	ENTERPRISE COST ALLOCATION GREATER THAN 100% FOR EXPENSE _____	CRITICAL

INFORMATIONAL/ERROR LISTING

RECEIPT FORM 1

CROP RECEIPTS ENT.	Operator/Landlord Number [ ] QUANTITY	$
[ ] DESCRIPTION	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]

RECEIPT FORM 2

RECEIPTS DESCRIPTION	Operator/Ld Number [ ] $
GOVERNMENT PAYMENTS	[ ]
CUSTOM WORK	[ ]
DIVIDENDS	[ ]
REFUNDS	[ ]
RESALES	[ ]
CASH RENT, LD SETTLEMENT	[ ]
OTHER FARM RECEIPTS	[ ]
STATE GAS TAX REFUND	[ ]
FEDERAL GAS TAX REFUND	[ ]

RECEIPT FORM 3

LIVESTOCK SALES	Operator/Landlord Number [ ]		
ENT. NON-BRD LVSTK	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
ENT. BRD LVSTK	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
ENT. LIVESTOCK PRODUCTS		LBS/DOZ/ETC	$
[ ]		[ ]	[ ]
[ ]		[ ]	[ ]

RECEIPT FORM 4

RECEIPTS DESCRIPTION	Operator/Ld Number [ ] $
MACH. EQUIP., BLDGS. SOLD	[ ]
MONEY BORROWED	[ ]
NON - FARM RECEIPTS	[ ]

EXPENSE FORM 1

PURCHASED FEEDS ENT.	Operator/Landlord Number [ ] QUANTITY $
[123] DESCRIPTION	[00000000] [1234567]
[ ]	[ ] [ ]
[ ]	[ ] [ ]
[ ]	[ ] [ ]
[ ]	[ ] [ ]
[ ]	[ ] [ ]
[ ]	[ ] [ ]
[ ]	[ ] [ ]
[ ]	[ ] [ ]

EXPENSE FORM 2

EXPENSES DESCRIPTION	Operator/Ld Number [ ] $
VET., MEDICINE	[ ]
BREEDING FEES, REGISTR	[ ]
FERTILIZER, LIME	[ ]
CROP CHEMICALS	[ ]
SEEDS, CROP SUPPLIES	[ ]
MACHINERY REPAIR, MAINT.	[ ]
BUILDING, FENCE REPAIR	[ ]
MACHINERY, TRUCK HIRE	[ ]
CASH RENT, LD SETTLEMENT	[ ]
POWER, FUEL, OIL, & GREASE	[ ]

EXPENSE FORM 3

EXPENSES DESCRIPTION	Operator/Ld Number [ ] $
HIRED LABOR	[0000000]
INSURANCE	[ ]
TAXES	[ ]
UTILITIES (Farm Share)	[ ]
TRUCK EXPENSES	[ ]
AUTO EXPENSES	[ ]
MISC. FARM EXPENSES	[ ]
INTEREST	[ ]
SOIL & WATER	[ ]
DRYING & STORAGE	[ ]
LVSTK SUPPLIES	[ ]

EXPENSE FORM 4

LIVESTOCK EXPENSES	Operator/Landlord Number [ ]		
ENT. NON-BRD LVSTK	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
ENT. BRD LVSTK	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]

EXPENSE FORM 5

EXPENSES DESCRIPTION	Operator/Ld Number [ ] $
MACH. & EQUIP. PURCHASES	[ ]
BUILDINGS PURCH. /IMPROV.	[ ]
LAND IMPROV. CAPITALIZED	[ ]
LAND IMPROV. DEPRECIATED	[ ]
LAND PURCHASED	[ ]
PRINCIPAL PAID	[ ]
NON-FARM EXPENSE	[ ]
NON-FARM INVESTMENT	[ ]
FAMILY LIVING	[ ]

PURCHASED COST LIVESTOCK SOLD

EXPENSE ENT.		Operator/Ld Number [ ]
[ ]	DESCRIPTION	[0000000]
[ ]		[ ]
[ ]		[ ]
[ ]		[ ]
[ ]		[ ]
[ ]		[ ]
[ ]		[ ]
[ ]		[ ]
[ ]		[ ]

HIRED LABOR

LABOR	MONTHS	MONTHS
HIRED LABOR	[123]	[123]
UNPAID OPERATOR LABOR	[ ]	[ ]
UNPAID FAMILY LABOR	[ ]	[ ]

Last digit in the above values equals tenths (i.e. 123 = 12.3)

LIVESTOCK ENTERPRISE RECORD

LIVESTOCK ENTERPRISE [000]

OPERATOR/LANDLORD NUMBER [ ]

FEED CODE	QUANTITY	$	BREEDING RECORD	NUMBER	WT
[ ]	[ ]	[ ]	DEATH LOSS	[ ]	[ ]
[ ]	[ ]	[ ]	AVG FEMALES HERD	[ ]	
[ ]	[ ]	[ ]	BIRTHS	[ ]	
[ ]	[ ]	[ ]	BORN	[ ]	
[ ]	[ ]	[ ]	WEANED	[ ]	
[ ]	[ ]	[ ]		[ ]	

		NO.	LBS	$
PASTURE DAYS [ ]	CONSUMED	[ ]	[ ]	[ ]

LIVESTOCK ENTERPRISE RECORD

LIVESTOCK ENTERPRISE [ ]

OPERATOR/LANDLORD NUMBER [00]

DAIRY	NUMBER	POULTRY	DOZENS	$
% TEST	[0000]	EGGS PROD.	[1234]	[1234]
COWS DRY	[ ]	EGGS PURCH	[ ]	[ ]
COWS MILKED	[ ]	EGGS CONS.	[ ]	[ ]
GAL. FED	[ ]	EGGS SOLD	[ ]	[ ]

OPERATOR NEW CROP ENTERPRISE RECORD

ENTERPRISE [ ]

ACRES	PURCHASES QUANTITY	PURCHASES $	ACRES QUANTITY	ACRES $
[ ]	[ ]	[ ]	[ ]	[ ]

FOR SEED QUANTITY	FOR FEED QUANTITY	FOR FEED $	ENDING INVENTORY QUANTITY	ENDING INVENTORY $
[ ]	[ ]	[ ]	[ ]	[ ]

LAND INVENTORY

Operator/Landlord Number [ ]

LAND INVENTORY	ACRES OWNED	ACRES RENTED	TOTAL LAND VALUE OWNED $	TOTAL LAND VALUE RENTED $
TILLABLE CROPLAND	[ ]	[ ]	[ ]	[ ]
NON-TILLABLE LAND	[ ]	[ ]	[ ]	[ ]
NUMBER DOUBLE CROPPED	[ ]	[ ]		

Dollar values in thousands

INVENTORY OF LIVESTOCK

END OF [19]	Operator/Landlord Number [ ]		
ENT.	B=BRD N=Non	NO.	QUAN/LBS	$
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]

INVENTORY OF CROPS

END OF [19]	Operator/Landlord Number [ ]	
ENT.		QUANTITY	$
[ ]	DESCRIPTION	[ ]	[ ]
[ ]		[ ]	[ ]
[ ]		[ ]	[ ]
[ ]		[ ]	[ ]
[ ]		[ ]	[ ]
[ ]		[ ]	[ ]

OTHER CROP INVENTORY

END OF [19]	Operator/Ld Number [ ]
CROP SUPPLIES	AMT. PREPAID $
SEEDS	[ ]
FERT., LIME APPLIED	[ ]
FERT. STORED	[ ]
HERBICIDES	[ ]
INSECTICIDES	[ ]
FUNGICIDES	[ ]
TWINE, ETC.	[ ]
FUEL	[ ]
OIL	[ ]
GREASE	[ ]
OTHER CROP SUPPL.	[ ]

OTHER LIVESTOCK INVENTORY

END OF [19]	Operator/Ld Number [ ]
LIVESTOCK SUPPLIES	AMT. PREPAID $
VET. SUPPLIES	[ ]
BEDDING	[ ]
OTHER LVSTK SUPPL.	[ ]

ASSET FORM 1

END OF [19]	Operator/Landlord Number [ ]	
ASSETS	MODIFIED COST BASIS	FAIR MKT VALUE
FAMILY BANK BALANCE	[ ]	
SAVINGS	[ ]	
STOCKS & BONDS	[ ]	[ ]
ACCTS. & NOTE REC. (NON-F)	[ ]	[ ]
LIFE INSTR. (CASH VALUE)	[ ]	
AUTO (FAMILY SHARE)	[ ]	[ ]
NON-FARM REAL ESTATE (RES)	[ ]	[ ]
OTHER NON-FARM (HOUSEHOLD)	[ ]	[ ]

ASSET FORM 2

END OF [19]	Operator/Landlord Number [ ]	
ASSETS	MODIFIED COST BASIS	FAIR MKT VALUE
CASH IN FARM ACCOUNT	[ ]	
FARM ACCOUNTS RECEIVABLE	[ ]	
OTHER CURRENT FARM ASSETS	[ ]	
BREEDING LIVESTOCK		[ ]
MACHINERY & EQUIPMENT		[ ]
BUILDINGS		[ ]
LAND	[ ]	[ ]
LAND IMPROVEMENTS	[ ]	[ ]

LIABILITIES FORM 1

END OF [19]	Operator/LD Number [ ]
LIABILITY	MODIFIED COST BASIS
CHARGE ACCOUNTS	[ ]
NON-FARM NOTES & MORT (CUR)	[ ]
NON-FARM NOTES & MORT (IT.)	[ ]
OTHER NON-FARM LIABILITIES	[ ]
SHORT TERM FARM NOTES PAY.	[ ]
ACCOUNTS PAYABLE	[ ]

LIABILITIES FORM 2

END OF [19]	Operator/LD Number [ ]
LIABILITY	MODIFIED COST BASIS
PORTION IT. & L.T. DEBT NY	[ ]
ACCRUED LIAB. (TAXERENT,)	[ ]
OTHER FARM CURRENT LIAB.	[ ]
PORTION I.T. DEBT NXT YR	[ ]
OTHER FARM INT. LIAB.	[ ]
PORTION L.T. DEBT NXT YR	[ ]
OTHER FARM LONG TERM LIAB.	[ ]

ENTERPRISE COST ALLOCATION FORM

ENTERPRISE [00]

Operator/Landlord Number [ ]

	% OR $			% OR $	
VET., MEDICINE	[ ]	[ ]	TAXES	[ ]	[ ]
BRD. FEES, REGR.	[ ]	[ ]	UTILITIES	[ ]	[ ]
FERT., LIME	[ ]	[ ]	TRUCK EXPENSES	[ ]	[ ]
CROP CHEMICALS	[ ]	[ ]	AUTO EXPENSES	[ ]	[ ]
SEEDS,CROP SUPPL	[ ]	[ ]	MISC. FARM EXP.	[ ]	[ ]
MACH REPR, MAINT	[ ]	[ ]	INTEREST	[ ]	[ ]
BLD., FENCE REPR	[ ]	[ ]	SOIL & WATER CON	[ ]	[ ]
MACH.,TRUCK HIRE	[ ]	[ ]	DRYING & STORAGE	[ ]	[ ]
CASH RENT/LD SET	[ ]	[ ]	LVSTK SUPPLIES	[ ]	[ ]
PWR,FUEL,OIL&GRS	[ ]	[ ]	MACHINE DEPREC	[ ]	[ ]
HIRED LABOR	[ ]	[ ]	BUILDING DEPREC	[ ]	[ ]
INSURANCE	[12]	[ ]			

1. Percent option for expense allocation yet to be resolved

2. Beginning or Ending noted where appropriate

SUMMARY

SUMMARY ITEM	OPER/LD [ ]
CROP SHRINK/OVERRUN	
LIVESTROCK LBS PRODUCED	
CROP SALES	
OTHER FARM REC.	
LIVESTOCK SALES & PROD.	
TOTAL CASH INCOME	
CROP BEG. INVENTORY	
CROP END INVENTORY	
LIVESTOCK BEG. INVENTORY	
LIVESTOCK END INVENTORY	
INVENTORY CHANGE	
FARM PRODUCTION CONSUMED	
LESS: PURCHASED FEED	
PURCHASED LIVESTOCK	
GROSS FARM RETURNS	
FARM OPERATOR EXPENSE	
PREPAID-NET	
TOTAL OPERATOR EXPENSE	
***INCOME BEFORE DEPREC.**	
BEGINNING LOAN BALANCE	
ENDING LOAN BALANCE	
MONEY BORROWED	
BEGINNING BANK BALANCE	
TOTAL SOURCES	
PRINCIPAL PAYMENTS	
NON-FARM EXPENSES (NF-1)	
END BANK BALANCE	
TOTAL USES	
***SOURCES-USES**	
NET WORTH RECON	

APPENDIX C

APPENDIX C

A Feasibility Study of the Use of Microcomputers and Related Software for Gathering and Transmitting Data for the FBMA Program

CUSTOMIZED FBMA DATA GATHERING PROGRAM DEVELOPMENT MODEL

PHASE	TIMETABLE
Definition	October
a. Input from Users	
b. Statement of the problem	
c. Definition of terms involved	
d. Resource and efficiency constraints	
e. Time table and scheduling	
Design	November - December
a. Data specifications: files, fields	
b. Module - screen specifications	
c. Documentation plan	
d. Test specifications	
Programming	January - March
a. Detailed design	
b. Write documentation	
c. Write module code	
d. Write test code	
e. Integration of modules	
Testing	May
a. System tests	
b. Evaluation of system against requirements	
c. Review of documentation	
d. Program walk-throughs	
e. Advisory council review	
Optimization	May - June
a. Tuning	
b. Optimization	
c. Document review	
Acceptance	June
a. Field tests	
b. Revisions	
Operation	July
a. User workshops	Fall 1985
b. Collection of bug reports	Continuous
c. Collection of requests for modifications	
d. Collection of problems with documentation	
Maintenance	Continuous
a. Evaluation of requests	
b. Revisions - Patches, Fixed	
c. Plan for Future revisions/releases	

APPENDIX D

OPERATION OF THE FBMA PROGRAM:

Once you have told the computer to run the FBMA program, it will load the program into its memory and begin running it. You will know that this is occuring when a message appears on the screen indicating the the program is "Getting Organized". Once the program has gotten everything organized, the input form "N1" will appear on the screen.

ENTERING INFORMATION:

On any given form, you can enter information in any order, moving about on the screen at will. The following set of keys perform special functions that you take note of:

<ESC>	-	Refresh Page with Information from Last Save (or Blank out Page if None)
<BACKSPACE>	-	Delete Character to Left of Cursor
<LEFT ARROW>	-	Advance to Next Field
<RIGHT ARROW>	-	Backup to Previous Field
<UP ARROW>	-	Move up to Previous Line
<DOWN ARROW>	-	Move Down to Next Line
<ENTER>	-	Advance to Next Field
<?>	-	Get Help Pertinent to Current Screen
<F1>	-	Save Screen Entries
<F2>	-	Move Cursor to Command Field
<F3>	-	Move Cursor to First Field on Next Line

In addition, you should take note of the following items:

1) If you fill in a field completely, the cursor will advance to the next field automatically (assuming that you've entered valid information for that field). This way, you can just continue typing.

2) If you press <RETURN> in the *Dummy Field* (the last field on the screen), you will save the current screen's information, and the cursor will move up to the command field (assuming there are no *PENDING COMMANDS* - more on these later).

THE MASTER STATUS:

On form "N1", you will enter your farm, county, and fieldman number, as well as a *MASTER STATUS* number. If this is your first time using this program for a farm, you should enter a *Master Status* of "3" which means you want to enter new information. If this is your second time (or later) using this program for a particular farm, then you should enter a *Master Status* "4" which means you want to change some information, either Changing or Dropping information that you had previously entered. More will be described on how to add, change, or drop information later.

PROCEEDING FROM N1:

Once you are finished on form "N1", you must proceed to form "N2". You can do this by typing "N2" in the command field and pressing <RETURN>. You MUST fill in form "N2" identically to form "N1" in order to proceed. If you fail to do so, the program will not allow you to proceed to any of the other forms. After completing form "N2" correctly, you can choose any screen you want by typing its name in the command field and pressing <RETURN>. If you realize that you've made a mistake on form "N1", you can type "N1" and press <RETURN> in the command field to go back to "N1".

FORM NAMES:

The Following list contains the names of the forms that are currently defined in this program:

- N1 - New Farm Information
- N2 - Verification Form for N1
- N3 - Name Form For Current Farm
- R1 - Crop Receipts
- R2 - General Receipts
- R3 - Livestock Receipts
- R4 - Other Income Receipts
- E1 - Purchased Feeds
- E2 - Itemized Expenses
- E3 - More Itemized Expenses
- E4 - Livestock Expenses
- E5 - General Expenses
- HL - Hired Labor
- L1 - Livestock Enterprises
- L2 - Dairy/Poultry Form
- C1 - Crop Enterprise Record
- C2 - New Crop Enterprise Record
- L - Land Inventory
- LI - Livestock Inventory
- OL - Other Livestock Inventory
- CI - Crop Inventory
- OC - Other Crop Inventory
- AN - Non-Farm Assets Form
- AF - Farm Assets
- LN - Liabilities
- LF - More Liabilities
- CA - Enterprise Cost Allocation
- DE - Depreciation
- H1 - Help Screen #1 - First Page of Form Names
- H2 - Help Screen #2 - Second Page of Form Names
- H3 - Help Screen #3 - Keyboard Definitons

SCREEN STATUS:

On each form, except for the "N1" form and a few others, you will be asked for a status value. This *SCREEN STATUS* is specific to the present page of the form that you

are working with, and affects only that particular page of that particular form. The value that you enter here and how it affects the workings of the program are determined by the *MASTER STATUS* that you entered on form N1 and N2.

If you entered a *MASTER STATUS* of "3", meaning that you want to enter new information concerning a farm, you can enter a *Screen Status* of "3" or "2". If you enter a *Screen Status* of "3", the screen will be handled as a normal input screen when calculations and files are created. This is the usual value for a *screen status* when the *Master Status* is "3". If you type in a page of information, and later decide that you wish to ignore all the information on that page, you can do so by entering a *Screen Status* of "2". Doing so will Drop the page of information before any calculations are done, or files are created.

If you entered a *MASTER STATUS* of "4", meaning that you want to enter some information to change information that has already been transmitted, you can enter a *screen status* of "2", "3", or "4". If you enter a *Screen Status* of "2", you will be indicating that all the information that you enter on the page is to drop out of the information that has already been transmitted. If you use a *Screen Status* of "3", it will indicate that this is additional information that is to be added to the data that has already been transmitted. If you enter a *Screen Status* of "4", it indicates that you are entering information that will change information that has already been transmitted.

STATUS TABLE:

MASTER	*SCREEN*	ACTION
3	3	Handle Information Normally
3	2	Drop This Page During Calculations
4	2	Drop Page's Info from Tranmitted Data
4	3	Add Page's Info to Xmitted Data
4	4	Change Xmitted Info Use Page's Data

BEGINNING/END FIELDS:

On several forms, there is a "BEG or END" field. You should place a "B" or an "E" in it to describe the type of information that you are entering on the page as Beginning information or Ending Information.

On some forms, you will find a "BEG or END" field for "Acct Pay" and "Prepaid". You should fill one of the fields by entering a "B" or "E", or fill out neither of the fields. You MAY NOT fill in both fields. If you attempt to do so, you will be given a warning message.

SAVING PAGE INFORMATION:

In order to save a page of information that you've typed in, press the <F1> key or press <ENTER> when the cursor is located in the last screen field (Dummy Box).

THE COMMAND FIELD:

In the command field, you can do one of several things. You can move to another form, the same form with a different page, or a specific page of another form. You can also ask for an analysis based on the information that you have entered. Further, you can enter a PENDING COMMAND that will be done only after you have saved the current page's information.

As stated before, to get to any form, simply type the form's name in at the command field. By adding a ":" and a page number, you can request an individual page that you've filled out of that form. Leaving off the ":" and page number will put you on the next available page for that form.

In order to invoke a PENDING COMMAND, all you need to do is place a ";" before the command that you wish to have done after you save the page. Leaving this off will cause the command you type in to be executed immediately.

COMMAND EXAMPLES:

Command	Does What	Executed When
HL	Goes to Form HL	Immediately
HL:3	Goes to Form HL, Page 3	Immediately
;E4	Goes to Form E4	After Save
;E4:2	Goes to E4, Page 2	After Save
EDITA	Print Error Listing	Immediately
ERROR	Display Error List (to screen)	Immediately
END	End Input Program	Immediately

EDITA AND ERROR:

These two commands ask the computer to generate any errors related to the data that has been entered, and print out the results of analysis of the data. Whereas EDITA will print out (to the printer) all of the original input screens and then print out the error listing and computational results, ERROR will display (on the screen) only the error listing and analysis results. Either command may be used to generate a data file for transmission. It should be noted that an analysis will only be done when your MASTER STATUS is a "3", indicating that this is the first run through of the program on a particular farm, and that all the data is available. Your MASTER STATUS has no effect upon the creation of the transmission file.

PAGE NUMBER DISPLAY:

Note that when you are entering and changing forms, your current page and number of pages currently saved are

both displayed. You will notice that when you first get to a new page of a form, the page number will be one greater than those saved already (if any). Once you save this page (using <F1> or pressing <return> in the last field on the page) the current page and number of pages saved will become equal.

ERROR MESSAGES:

Sorry, Help Unavailable - The File "HELPFILE.DAT" does not exist. This is a non-fatal error, and you can continue without the screen specific help. To fix it, you should copy "HELPFILE.DAT" to your disk.

Illegal Help Command - The only valid commands in the Screen Specific Help System are: CHANGE, SAVE, or <RETURN> to exit from the subsystem.

Error Saving PAGEFILE - When the program attempted to write out the updated information concerning any changes you have made, an error occured. If you have a write protect tab on your disk, you should remove it and press <RETURN> to try again. If this is not the problem, refer to your computer's user's guide for other disk error problems that might have caused the error.

No Such Screen - The form that you have attempted to move to does not exist. If it is in the valid form name list (indicated at the beginning of this manual), your SCREENS.PAK file may have been corrupted. First try typing the name of the screen that you want to go to again. If this does not work, you should copy the SCREENS.PAK file from another disk to your disk.

We're already there - You attempted to move to the screen that you are already on.

Could Not Open Page - The program tried to get information concerning a page that you had requested, but could not find the file with the information on the disk. If you accidentally deleted it, but have a copy elsewhere, exit from the program and copy your files back. If not, re-enter the information that should be on the page.

Can't Use <F1> Here - To save a Screen Specific Help Screen that you've entered, you must type "SAVE" in the command field. If you do not do so, your information will be lost.

Must Fill Page - You must fill every field (except the Dummy Field) on screens N1 and N2 before you can proceed to any of the other forms.

Cannot Save a Help Page - You attempted to save a Help Form (H1, H2, or H3). Since these forms are purely informational, you cannot save them.

Could Not Save Page - When the program attempted to create the file containing the information that you asked it to save, an error occurred. If your disk is write protected, remove the write-protect tab and ask the computer to save the page again.

Can't have both - You have attempted to fill in the fields to two "BEG or END" queries. You may only fill in one on any given page. If you wish to change your answer to the previous query, you must first erase that field, and then fill in the other one.

Already used this Opr # - You have used the same operator number elsewhere on this page and would be entering repetitious or conflicting data were you to continue.

Bad Enterprise Code(1) - You attempted to enter an illegal enterprise code for a crop/feed field.

Bad Enterprise Code(2) - You attempted to enter an illegal enterprise code for a livestock field.

Bad Enterprise Code(3) - The enterprise code that you attempted to enter is invalid as either a livestock or a crop/feed enterprise code.

Bad Enterprise Code(4) - You may only enter the following enterprise codes in the field: 311, 312, 318, 351, 352, 353, 358

Illegal '-' Placement - You have put a minus in the wrong place on your entry. You should prefix (-567) or postfix (567-) your number to indicate that it is negative.

Invalid Numeric - Covers several problems, but usually indicates that you have entered a number with more than one negative sign ('-'). Look at the number and the problem should be self-evident.

Numeric Too Large - The number you have entered exceeds the limit of SEVEN (7) digits. Although you can type EIGHT digits, one numeric position is reserved for a minus sign.

Illegal %age - The percentage value that you entered is not between 0 and 100.

Must return to ... - Your form movement is restricted, and before continuing, you must return first to the indicated form. This usually occurs when you are on form "N1" and goto

a help form (For example "H1"), and then attempt to go to another form from the help form.

Must Use Form N2 Next - From form "N1", you can only move to form "N2". If N1 and N2 match, you can move from N2 to anywhere you please.

SAMPLE BULLETIN BOARD SESSION

```
FidoNet Node #-1
****************************************
Missouri Farm Business Management Analysis (FBMA)
     Operated by Agricultural Education
University of Missouri - Columbia
          435 GCB
Columbia, MO  65211

Phone (314) 882-7451
****************************************************
Your FIRST name: rick
Your  LAST name: mihalevich
Rick Mihalevich, correct? (y,n) y
Wait ...
Password: ....
You last called on 02 Jul 85  07:46:43
You are the 28th caller.
Wait ...

MAIN Commands:
M)sg-Section F)ile-Section G)oodbye
S)tatistics A)ns-Questionaire B)ulletin
Y)ell C)hange U)ser-List E)ditorial
V)ersion
Main: M F G S A B Y C U E V or ? for help: f
```

```
File Area #2: C:\FIDO\FBMA\
A)rea-Change L)ocate F)iles T)ype G)oodbye
U)pload D)ownload S)tatistics M)ain-Menu

File: A L F T G U D S M or ? for help: f

No Files

File Area #2: C:\FIDO\FBMA\
A)rea-Change L)ocate F)iles T)ype G)oodbye
U)pload D)ownload S)tatistics M)ain-Menu

File: A L F T G U D S M or ? for help: u

Upload file(s)
Transfer Type
A ... Ascii    K  ... KERMIT
X ... Xmodem   XC ... Xmodem/CRC
M ... Modem7   MC ... Modem7/CRC
T ... Telink   TC ... Telink/CRC
? ... Help     Q  ... Quit
A K X XC M MC T TC Q ?: x
XMODEM transfer
Filename: F713100.dat  => Sample Farm to send to Columbia
```

```
Ready to receive Fm713100.dat



File Area #2: C:\FIDO\FBMA\
A)rea-Change L)ocate F)iles T)ype G)oodbye
U)pload D)ownload S)tatistics M)ain-Menu

File: A L F T G U D S M or ? for help: G

Leave a private message to the sysop? (y,n): Y
Wait ...
Enter a message.
This will be message #1.
From: Rick Mihalevich  On Fido/
To: Sysop
Subject: Sample session
Enter your message, blank line to end.
Words will wrap automatically

 1: This is an example of sending a note to the sysop,
 2: or system operator/ Director of the FBMA program
 3:
```

APPENDIX E

Screen New Farm Form 3 (Name) Page 1 Short Name N3

Tenure	[1]
Lease	[1]
Extra Report	[1]
Yr of Opr Birth	[56]
Age of Oldest Dependent Child	[12]
Number in Family at Home	[1]
Print Net Worth	[1]
Tax & Financial Reports	[ ] [ ] [ ] [ ]
Name	[Sample UMC 6-19-85]

Screen Receipt Form 1 Page 1 Short Name R1

STATUS[3]

Crop Receipts	Opr/Lld Number [1]		Opr/Lld Number [ ]	
Ent.	Quantity	$	Quantity	$
[020]	[3000]	[8400]	[ ]	[ ]
[030]	[2635]	[15546]	[ ]	[ ]
[110]	[856]	[3546]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]

Screen Receipt Form 2 Page 1 Short Name R2

STATUS[3]

Receipts Accts/Rec BEG or END [ ]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Description	$	$
Government Payments	[1200]	[ ]
Custom Work	[2200]	[ ]
Dividends	[500]	[ ]
Refunds	[50]	[ ]
Resales	[200]	[ ]
Cash Rent, Ld Settlement	[ ]	[ ]
Other Farm Receipts	[ ]	[ ]
State Gas Tax Refund	[40]	[ ]
Federal Gas Tax Refund	[150]	[ ]
Crop Insurance Proceeds	[ ]	[ ]

Screen Receipt Form 3 Page 1 Short Name R3

STATUS[3]

Livestock Sales	Opr/Lld Number [1]			Opr/Lld Number [ ]		
Ent. Non-Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[308] LvStk	[288]	[69120]	[27648]	[ ]	[ ]	[ ]
[328]	[15]	[8615]	[5951]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Ent. Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[308] LvStk	[11]	[5500]	[2200]	[ ]	[ ]	[ ]
[328]	[4]	[3775]	[1480]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

For Livestock Products, go to form L2

Screen Receipt Form 4 Page 1 Short Name R4

STATUS[3]

Receipts	Opr/Lld Number [1]	Opr/Lld Number [ ]
Description	$	$
Mach,Equip,Bldgs Sold	[ ]	[ ]
Money Borrowed	[ ]	[ ]
Non - Farm Receipts	[6050]	[ ]

Screen Expense Form 1 Page 1 Short Name E1

STATUS[3]

Purchased Crops and Feeds	Opr/Lld Number [1]		Opr/Lld Number [ ]	
Ent.	Quantity	$	Quantity	$
[170]	[64540]	[9681]	[ ]	[ ]
[020]	[523]	[1725]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]

Screen Expense Form 2 Page 1 Short Name E2

STATUS[3]

Expenses Acct/Pay BEG or END [ ] Prepaid BEG or END [ ]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Description	$	$
Vet., Medicine	[700]	[ ]
Breeding Fees, Registr	[1400]	[ ]
Fertilizer, Lime	[8540]	[ ]
Crop Chemicals	[3965]	[ ]
Seeds, Crop Supplies	[1120]	[ ]
Machinery Repair, Maint.	[3142]	[ ]
Building, Fence Repair	[1440]	[ ]
Machinery, Truck Hire	[1428]	[ ]
Cash Rent, Ld Settlement	[ ]	[ ]
Power, Fuel, Oil, & Grease	[5130]	[ ]

Screen Expense Form 2 Page 2 Short Name E2

STATUS[3]

Expenses Acct/Pay BEG or END [ ] Prepaid BEG or END [ ]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Description	$	$
Vet., Medicine	[ ]	[ ]
Breeding Fees, Registr	[2075]	[ ]
Fertilizer, Lime	[1255]	[ ]
Crop Chemicals	[800]	[ ]
Seeds, Crop Supplies	[ ]	[ ]
Machinery Repair, Maint.	[ ]	[ ]
Building, Fence Repair	[1720]	[ ]
Machinery, Truck Hire	[2757]	[ ]
Cash Rent, Ld Settlement	[ ]	[ ]
Power, Fuel, Oil, & Grease	[2120]	[ ]

Screen Expense Form 3 Page 1 Short Name E3

STATUS[3]

Expenses Acct/Pay BEG or END [ ] Prepaid BEG or END [ ]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Description	$	$
Hired Help	[ ]	[ ]
Insurance	[2075]	[ ]
Taxes	[1255]	[ ]
Utilities (Farm Share)	[800]	[ ]
Truck Expenses	[ ]	[ ]
Auto Expenses	[ ]	[ ]
Misc. Farm Expenses	[1720]	[ ]
Interest	[2757]	[ ]
Soil & Water	[ ]	[ ]
Drying & Storage	[2120]	[ ]
LvStk Supplies	[ ]	[ ]

Screen Expense Form 4 Page 1 Short Name E4

STATUS[3]

Livestock Expenses	Opr/Lld Number [1]			Opr/Lld Number [ ]		
Ent. Non-Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[ ] LvStk	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Ent. Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[308] LvStk	[1]	[300]	[500]	[ ]	[ ]	[ ]
[328]	[1]	[1500]	[2000]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Screen Expense Form 5 Page 1 Short Name E5

STATUS[3]

Expenses Acct/Pay BEG or END [ ] Prepaid BEG or END [ ]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Description	$	$
Mach. & Equip. Purchases	[1500]	[ ]
Buildings Purch. /Improv.	[ ]	[ ]
Land Improv. Capitalized	[ ]	[ ]
Land Improv. Depreciated	[ ]	[ ]
Land Purchased	[ ]	[ ]
Principal Paid	[7000]	[ ]
Non-Farm Expense	[ ]	[ ]
Non-Farm Investment	[ ]	[ ]
Family Living	[13500]	[ ]

Screen Expense Form 6 Page 1 Short Name E6

STATUS[3]

Seed	Opr/Lld Number [1]		Opr/Lld Number [ ]	
Ent.	Quantity	$	Quantity	$
[030]	[75]	[750]	[ ]	[ ]
[040]	[45]	[225]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]

Screen Hired Labor Page 1 Short Name HL

STATUS[3]

Labor	Opr/Lld Number [1] Months	Opr/Lld Number [ ] Months
Hired Labor	[ ]	[ ]
Unpaid Operator Labor	[120]	[ ]
Unpaid Family Labor	[ ]	[ ]

Do Not Enter Decimal
Example -- 125 = 12.5 Months

Screen Livestock Enterprise Record 1 Page 1 Short Name L1

STATUS[3]
Opr/Lld Number [1]

Livestock Enterprise [308]

Feed Code	Quantity	$	Breeding Record	No.	Quan/Lbs
[170]	[63540]	[8140]	Death Loss	[10]	[500]
[020]	[1313]	[3479]	Females Mos	[240]	
[110]	[735]	[3013]	Births	[40]	
[040]	[1313]	[4333]	Born	[480]	
[160]	[5]	[200]	Weaned	[320]	
[ ]	[ ]	[ ]	Animal Units	[ ]	
[ ]	[ ]	[ ]	Ent Analysis	[ ]	

Purch Cost Of			No.	Lbs	$
Lvstk Sold	[ ]	Consumed	[2]	[500]	[200]
Pasture Days	[ ]	Feeder			
Milk Fed	[ ]	Pigs Sold	[ ]	[ ]	[ ]

Screen Livestock Enterprise Record 1 Page 2 Short Name L1

STATUS[3]
Opr/Lld Number [1]
Livestock Enterprise [328]

Feed Code	Quantity	$	Breeding Record	No.	Quan/Lbs
[170]	[4000]	[480]	Death Loss	[1]	[100]
[020]	[160]	[424]	Females Mos	[20]	
[100]	[28]	[1440]	Births	[20]	
[ ]	[ ]	[ ]	Born	[20]	
[ ]	[ ]	[ ]	Weaned	[19]	
[ ]	[ ]	[ ]	Animal Units	[ ]	
[ ]	[ ]	[ ]	Ent Analysis	[1]	

			No.	Lbs	$
Purch Cost Of Lvstk Sold	[ ]	Consumed	[1]	[1200]	[600]
Pasture Days	[7080]	Feeder			
Milk Fed	[ ]	Pigs Sold	[ ]	[ ]	[ ]

Screen Crop Enterprise Record Page 1 Short Name C1

STATUS[3]

Ent.	Acres	Opr/Lld Number [1] Production	Opr/Lld Number [ ] Production
[020]	[50]	[3750]	[ ]
[030]	[75]	[2250]	[ ]
[040]	[30]	[1350]	[ ]
[110]	[80]	[3600]	[ ]
[170]	[15]	[ ]	[ ]
[160]	[4]	[4]	[ ]
[100]	[80]	[30]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]

For Set Aside Acres, use code 170.

Screen Operator's New Crop Record Page 1 Short Name C2

STATUS[3]

Enterprise [020]

	Opr/Lld Number [1]		Opr/Lld Number [ ]	
	Quantity	$	Quantity	$
Acres	[50]		[ ]	
Purchases	[523]	[1725]	[ ]	[ ]
Sales	[2473]	[6924]	[ ]	[ ]
Seed	[ ]	[ ]	[ ]	[ ]
Feed	[ ]	[ ]	[ ]	[ ]
Ending Inventory	[1800]	[4770]	[ ]	[ ]

Screen Operator's New Crop Record Page 2 Short Name C2

STATUS[3]

Enterprise [030]

	Opr/Lld Number [1]		Opr/Lld Number [ ]	
	Quantity	$	Quantity	$
Acres	[75]		[ ]	
Purchases	[ ]	[ ]	[ ]	[ ]
Sales	[1750]	[10324]	[ ]	[ ]
Seed	[ ]	[ ]	[ ]	[ ]
Feed	[ ]	[ ]	[ ]	[ ]
Ending Inventory	[500]	[2800]	[ ]	[ ]

Screen Operator's New Crop Record Page 3 Short Name C2

STATUS[3]

Enterprise [040]

	Opr/Lld Number [1]		Opr/Lld Number [ ]	
	Quantity	$	Quantity	$
Acres	[30]		[ ]	
Purchases	[ ]	[ ]	[ ]	[ ]
Sales	[ ]	[ ]	[ ]	[ ]
Seed	[ ]	[ ]	[ ]	[ ]
Feed	[708]	[2336]	[ ]	[ ]
Ending Inventory	[642]	[2118]	[ ]	[ ]

Screen Operator's New Crop Record Page 4 Short Name C2

STATUS[3]

Enterprise [110]

	Opr/Lld Number [1]		Opr/Lld Number [ ]	
	Quantity	$	Quantity	$
Acres	[80]		[ ]	
Purchases	[ ]	[ ]	[ ]	[ ]
Sales	[865]	[3546]	[ ]	[ ]
Seed	[ ]	[ ]	[ ]	[ ]
Feed	[735]	[3013]	[ ]	[ ]
Ending Inventory	[2000]	[8200]	[ ]	[ ]

Screen Operator's New Crop Record Page 5 Short Name C2

STATUS[3]

Enterprise [100]

	Opr/Lld Number [1]		Opr/Lld Number [ ]	
	Quantity	$	Quantity	$
Acres	[80]		[ ]	
Purchases	[ ]	[ ]	[ ]	[ ]
Sales	[ ]	[ ]	[ ]	[ ]
Seed	[10]	[514]	[ ]	[ ]
Feed	[20]	[1027]	[ ]	[ ]
Ending Inventory				

Screen Land Inventory Page 1 Short Name LA

STATUS[3]

Opr/Lld Number [1]

Land Inventory	Acres Owned	Acres Rented	Total Land Value Owned $	Total Land Value Rented $
Tillable Cropland	[330]	[ ]	[231]	[ ]
Non-Tillable Land	[20]	[ ]	[8]	[ ]
Number Double Cropped	[4]	[ ]		

Dollar Values in Thousands

BEST COPY AVAILABLE

Screen Inventory of Livestock Page 1 Short Name LI

STATUS[3]

BEG or END [B]

Livestock Expenses		Opr/Lld Number [1]			Opr/Lld Number [ ]		
Ent.	Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[308]	LvStk	200	15000	6000			
[328]		20	4000	2000			
[ ]							
[ ]							
[ ]							
Ent.	Non-Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[306]	LvStk	20	8000	3200			
[326]		20	20000	8000			
[ ]							
[ ]							
[ ]							

Screen Inventory of Livestock Page 2 Short Name LI

STATUS[3]

BEG or END [E]

Livestock Expenses		Opr/Lld Number [1]			Opr/Lld Number [ ]		
Ent.	Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[308]	LvStk	200	15000	6000			
[328]		20	4000	2000			
[ ]							
[ ]							
[ ]							
Ent.	Non-Brd	No.	Quan/Lbs	$	No.	Quan/Lbs	$
[308]	LvStk	30	12000	4800			
[328]		20	20000	8000			
[ ]							
[ ]							
[ ]							

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Screen Inventory of Crops & Feeds Page 1 Short Name CI

STATUS[3]

BEG or END [B]

Ent.	Opr/Lld Number [1] Quantity	$	Opr/Lld Number [ ] Quantity	$
[170]	[3000]	[960]	[ ]	[ ]
[020]	[2000]	[6000]	[ ]	[ ]
[040]	[650]	[2145]	[ ]	[ ]
[030]	[960]	[5760]	[ ]	[ ]
[100]	[18]	[925]	[ ]	[ ]
[150]	[4]	[160]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]

Screen Inventory of Crops & Feeds Page 2 Short Name CI

STATUS[3]

BEG or END [E]

Ent.	Opr/Lld Number [1] Quantity	$	Opr/Lld Number [ ] Quantity	$
[170]	[5000]	[700]	[ ]	[ ]
[020]	[1800]	[4770]	[ ]	[ ]
[040]	[942]	[2118]	[ ]	[ ]
[110]	[2000]	[6200]	[ ]	[ ]
[030]	[500]	[2800]	[ ]	[ ]
[100]	[20]	[1027]	[ ]	[ ]
[160]	[3]	[120]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]

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Screen Other Crop Supplies Page 1 Short Name OC

STATUS[3]

BEG or END [B]

	Opr Lid Number [1] Amt. Prepaid $	Opr/Lid Number [ ] Amt. Prepaid $
Seeds	[ ]	[ ]
Fert., Lime Applied	[ ]	[ ]
Fert. Stored	[ ]	[ ]
Herbicides	[250]	[ ]
Insecticides	[ ]	[ ]
Fungicides	[ ]	[ ]
Twine, etc.	[ ]	[ ]
Fuel	[200]	[ ]
Oil	[50]	[ ]
Grease	[10]	[ ]
Other Crop Suppl.	[ ]	[ ]
Growing-Fertilizer	[1500]	[ ]
Growing-Seed	[200]	[ ]

Screen Other Crop Supplies Page 2 Short Name OC

STATUS[3]

BEG or END [E]

	Opr/Lid Number [1] Amt. Prepaid $	Opr/Lid Number [ ] Amt. Prepaid $
Seeds	[ ]	[ ]
Fert., Lime Applied	[ ]	[ ]
Fert. Stored	[ ]	[ ]
Herbicides	[200]	[ ]
Insecticides	[ ]	[ ]
Fungicides	[ ]	[ ]
Twine, etc.	[ ]	[ ]
Fuel	[150]	[ ]
Oil	[60]	[ ]
Grease	[ ]	[ ]
Other Crop Suppl.	[ ]	[ ]
Growing-Fertilizer	[1000]	[ ]
Growing-Seed	[100]	[ ]

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Screen Other Livestock Supplies Page 1 Short Name OL

STATUS[3]

Beg or End [B]	Opr/Lld Number [1] Amt. Prepaid $	Opr/Lld Number [ ] Amt. Prepaid $
Vet. Supplies	[20]	[ ]
Bedding	[40]	[ ]
Other Lvstk Suppl.	[ ]	[ ]

Screen Other Livestock Supplies Page 2 Short Name OL

STATUS[3]

Beg or End [E]	Opr/Lld Number [1] Amt. Prepaid $	Opr/Lld Number [ ] Amt. Prepaid $
Vet. Supplies	[30]	[ ]
Bedding	[20]	[ ]
Other Lvstk Suppl.	[ ]	[ ]

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Screen Asset Form 1 Page 1 Short Name AN

STATUS[3]

BEG or END [B]	Opr/Lld Number [1]		Opr/Lld Number [ ]	
Assets	Modified Cost Basis	Fair Mkt Value	Modified Cost Basis	Fair Mkt Value
Family Bank Balance	[500]		[ ]	
Savings	[1000]		[ ]	
Stocks & Bonds	[250]	[250]	[ ]	[ ]
Accts. & Note Rrec. (Non-F	[ ]	[ ]	[ ]	[ ]
Life Insur. (Cash Value)	[6300]		[ ]	
Auto (Family Share)	[5000]	[5000]	[ ]	[ ]
Non-Farm Real Estate (Res	[25000]	[25000]	[ ]	[ ]
Other Non-Farm (Household	[9000]	[9000]	[ ]	[ ]

Screen Asset Form 1 Page 3 Short Name AN

STATUS[3]

BEG or END [E]	Opr/Lld Number [1]		Opr/Lld Number [ ]	
Assets	Modified Cost Basis	Fair Mkt Value	Modified Cost Basis	Fair Mkt Value
Family Bank Balance	[600]		[ ]	
Savings	[1000]		[ ]	
Stocks & Bonds	[250]	[250]	[ ]	[ ]
Accts. & Note Rrec. (Non-F	[ ]	[ ]	[ ]	[ ]
Life Insur. (Cash Value)	[6300]		[ ]	
Auto (Family Share)	[4500]	[4500]	[ ]	[ ]
Non-Farm Real Estate (Res	[25000]	[25000]	[ ]	[ ]
Other Non-Farm (Household	[9000]	[9000]	[ ]	[ ]

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Screen Asset Form 2 Page 1 Short Name AF

STATUS[3]

BEG or END [B]	Opr/Lld Number [1]		Opr/Lld Number [ ]	
Assets	Modified Cost Basis	Fair Mkt Value	Modified Cost Basis	Fair Mkt Value
Cash in Farm Account	[1200]		[ ]	
Farm Accounts Receivable	[500]		[ ]	
Breeding Livestock		[11200]		[ ]
Machinery & Equipment		[41000]		[ ]
Buildings		[13000]		[ ]
Land	[239000]	[250000]	[ ]	[ ]
Land Improvements	[ ]	[ ]	[ ]	[ ]

Screen Asset Form 2 Page 3 Short Name AF

STATUS[3]

BEG or END [E]	Opr/Lld Number [1]		Opr/Lld Number [ ]	
Assets	Modified Cost Basis	Fair Mkt Value	Modified Cost Basis	Fair Mkt Value
Cash in Farm Account	[1000]		[ ]	
Farm Accounts Receivable	[400]		[ ]	
Breeding Livestock		[10800]		[ ]
Machinery & Equipment		[40000]		[ ]
Buildings		[12500]		[ ]
Land	[239000]	[250000]	[ ]	[ ]
Land Improvements	[ ]	[ ]	[ ]	[ ]

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Screen Liabilities Form 1 Page 1 Short Name LN

STATUS[3]

BEG or END [B]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Liability	Modified Cost Basis	Modified Cost Basis
Charge Accounts	[1200]	[ ]
Non-Farm Notes & Mort. (Cur)	[ ]	[ ]
Non-Farm Notes & Mort (It.)	[ ]	[ ]
Other Non-Farm Liabilities	[ ]	[ ]
Short Term Farm Notes Pay.	[12000]	[ ]
Accounts Payable	[4500]	[ ]

Screen Liabilities Form 1 Page 2 Short Name LN

STATUS[3]

BEG or END [E]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Liability	Modified Cost Basis	Modified Cost Basis
Charge Accounts	[1000]	[ ]
Non-Farm Notes & Mort. (Cur)	[ ]	[ ]
Non-Farm Notes & Mort (It.)	[ ]	[ ]
Other Non-Farm Liabilities	[ ]	[ ]
Short Term Farm Notes Pay.	[10000]	[ ]
Accounts Payable	[3500]	[ ]

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Screen Liabilities Form 2 Page 1 Short Name LF

STATUS[3]

BEG or END [B]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Liability	Modified Cost Basis	Modified Cost Basis
Portion It Debt Next Year	[ ]	[ ]
Portion It. & L.T. Debt Next Yr	[12000]	[ ]
Accrued Liab. (Tax)	[2300]	[ ]
Accrued Liability It.	[ ]	[ ]
Other Farm Current Liab. (Rent)	[ ]	[ ]
Portion I.t. Debt After Next Yr	[21500]	[ ]
Other Farm It. Liab.	[ ]	[ ]
Portion L.T Debt After Next Yr	[185000]	[ ]
Other Farm Long Term Liab.	[ ]	[ ]

Screen Liabilities Form 2 Page 2 Short Name LF

STATUS[3]

BEG or END [E]	Opr/Lld Number [1]	Opr/Lld Number [ ]
Liability	Modified Cost Basis	Modified Cost Basis
Portion It Debt Next Year	[ ]	[ ]
Portion It. & L.T. Debt Next Yr	[12000]	[ ]
Accrued Liab. (Tax)	[2000]	[ ]
Accrued Liability It.	[ ]	[ ]
Other Farm Current Liab. (Rent)	[ ]	[ ]
Portion I.t. Debt After Next Yr	[20000]	[ ]
Other Farm It. Liab.	[ ]	[ ]
Portion L.T Debt After Next Yr	[182000]	[ ]
Other Farm Long Term Liab.	[ ]	[ ]

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Screen Enterprise Cost Allocation Page 1 Short Name CA

STATUS[3]

Enterprise Number [308]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	600	Taxes	[ ]	[ ]	178
Brd. Fees, Regr.	[ ]	[ ]		Utilities	[ ]	[ ]	640
Fert., Lime	[ ]	[ ]		Truck Expenses	[ ]	[ ]	
Crop Chemicals	[ ]	[ ]		Auto Expenses	[ ]	[ ]	
Seeds, Crop Suppl	[ ]	[ ]		Misc. Farm Exp.	[ ]	[ ]	400
Mach Repr, Maint	[ ]	[ ]	680	Interest	[ ]	[ ]	760
Bld., Fence Repr	[ ]	[ ]	900	Soil & Water Con	[ ]	[ ]	
Mach., Truck Hire	[ ]	[ ]	1140	Drying & Storage	[ ]	[ ]	
Cash Rent/Ld Set	[ ]	[ ]		Lvstk Supplies	[ ]	[ ]	1180
Pwr, Fuel, Oil & Gas	[ ]	[ ]	750	Machine Deprec	[ ]	[ ]	
Hired Labor	[ ]	[ ]		Building Deprec	[ ]	[ ]	
Insurance	[ ]	[ ]	600				

Screen Enterprise Cost Allocation Page 2 Short Name CA

STATUS[3]

Enterprise Number [328]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	100	Taxes	[ ]	[ ]	132
Brd. Fees, Regr.	[ ]	[ ]		Utilities	[ ]	[ ]	
Fert., Lime	[ ]	[ ]		Truck Expenses	[ ]	[ ]	
Crop Chemicals	[ ]	[ ]		Auto Expenses	[ ]	[ ]	
Seeds, Crop Suppl	[ ]	[ ]		Misc. Farm Exp.	[ ]	[ ]	50
Mach Repr, Maint	[ ]	[ ]	30	Interest	[ ]	[ ]	320
Bld., Fence Repr	[ ]	[ ]	50	Soil & Water Con	[ ]	[ ]	
Mach., Truck Hire	[ ]	[ ]	240	Drying & Storage	[ ]	[ ]	
Cash Rent/Ld Set	[ ]	[ ]		Lvstk Supplies	[ ]	[ ]	220
Pwr, Fuel, Oil & Gas	[ ]	[ ]	80	Machine Deprec	[ ]	[ ]	
Hired Labor	[ ]	[ ]		Building Deprec	[ ]	[ ]	
Insurance	[ ]	[ ]	300				

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Screen Enterprise Cost Allocation Page 3 Short Name CA

STATUS[3]

Enterprise Number [020]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	[ ]	Taxes	[ ]	[ ]	[150]
Brd. Fees, Regr.	[ ]	[ ]	[ ]	Utilities	[ ]	[ ]	[ ]
Fert., Lime	[ ]	[ ]	[2800]	Truck Expenses	[ ]	[ ]	[ ]
Crop Chemicals	[ ]	[ ]	[950]	Auto Expenses	[ ]	[ ]	[350]
Seeds, Crop Suppl	[ ]	[ ]	[800]	Misc. Farm Exp.	[ ]	[ ]	[500]
Mach Repr, Maint	[ ]	[ ]	[600]	Interest	[ ]	[ ]	[ ]
Bld., Fence Repr	[ ]	[ ]	[ ]	Soil & Water Con	[ ]	[ ]	[750]
Mach., Truck Hire	[ ]	[ ]	[ ]	Drying & Storage	[ ]	[ ]	[ ]
Cash Rent/Ld Set	[ ]	[ ]	[ ]	Lvstk Supplies	[ ]	[ ]	[ ]
Pwr, Fuel, Oil & Gas	[ ]	[ ]	[1000]	Machine Deprec	[ ]	[ ]	[ ]
Hired Labor	[ ]	[ ]	[ ]	Building Deprec	[ ]	[ ]	[ ]
Insurance	[ ]	[ ]	[250]				

Screen Enterprise Cost Allocation Page 4 Short Name CA

STATUS[3]

Enterprise Number [030]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	[ ]	Taxes	[ ]	[ ]	[225]
Brd. Fees, Regr.	[ ]	[ ]	[ ]	Utilities	[ ]	[ ]	[ ]
Fert., Lime	[ ]	[ ]	[1050]	Truck Expenses	[ ]	[ ]	[ ]
Crop Chemicals	[ ]	[ ]	[1575]	Auto Expenses	[ ]	[ ]	[300]
Seeds, Crop Suppl	[ ]	[ ]	[ ]	Misc. Farm Exp.	[ ]	[ ]	[412]
Mach Repr, Maint	[ ]	[ ]	[862]	Interest	[ ]	[ ]	[ ]
Bld., Fence Repr	[ ]	[ ]	[ ]	Soil & Water Con	[ ]	[ ]	[262]
Mach., Truck Hire	[ ]	[ ]	[ ]	Drying & Storage	[ ]	[ ]	[ ]
Cash Rent/Ld Set	[ ]	[ ]	[ ]	Lvstk Supplies	[ ]	[ ]	[ ]
Pwr, Fuel, Oil & Gas	[ ]	[ ]	[1500]	Machine Deprec	[ ]	[ ]	[ ]
Hired Labor	[ ]	[ ]	[ ]	Building Deprec	[ ]	[ ]	[ ]
Insurance	[ ]	[ ]	[375]				

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Screen Enterprise Cost Allocation Page 5 Short Name CA

STATUS[3]

Enterprise Number [040]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	[ ]	Taxes	[ ]	[ ]	[90]
Brd. Fees, Regr.	[ ]	[ ]	[ ]	Utilities	[ ]	[ ]	[ ]
Fert., Lime	[ ]	[ ]	[ ]	Truck Expenses	[ ]	[ ]	[ ]
Crop Chemicals	[ ]	[ ]	[1050]	Auto Expenses	[ ]	[ ]	[ ]
Seeds, Crop Suppl	[ ]	[ ]	[ ]	Misc. Farm Exp.	[ ]	[ ]	[ ]
Mach Repr, Maint	[ ]	[ ]	[ ]	Interest	[ ]	[ ]	[120]
Bld., Fence Repr	[ ]	[ ]	[210]	Soil & Water Con	[ ]	[ ]	[165]
Mach., Truck Hire	[ ]	[ ]	[ ]	Drying & Storage	[ ]	[ ]	[ ]
Cash Rent/Ld Set	[ ]	[ ]	[ ]	Lvstk Supplies	[ ]	[ ]	[150]
Pwr, Fuel, Oil & Gas	[ ]	[ ]	[ ]	Machine Deprec	[ ]	[ ]	[ ]
Hired Labor	[ ]	[ ]	[450]	Building Deprec	[ ]	[ ]	[ ]
Insurance	[ ]	[ ]	[ ]				
	[ ]	[ ]	[150]				

Screen Enterprise Cost Allocation Page 6 Short Name CA

STATUS[3]

Enterprise Number [110]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	[ ]	Taxes	[ ]	[ ]	[240]
Brd. Fees, Regr.	[ ]	[ ]	[ ]	Utilities	[ ]	[ ]	[ ]
Fert., Lime	[ ]	[ ]	[3080]	Truck Expenses	[ ]	[ ]	[ ]
Crop Chemicals	[ ]	[ ]	[1040]	Auto Expenses	[ ]	[ ]	[ ]
Seeds, Crop Suppl	[ ]	[ ]	[320]	Misc. Farm Exp.	[ ]	[ ]	[400]
Mach Repr, Maint	[ ]	[ ]	[680]	Interest	[ ]	[ ]	[520]
Bld., Fence Repr	[ ]	[ ]	[ ]	Soil & Water Con	[ ]	[ ]	[ ]
Mach., Truck Hire	[ ]	[ ]	[ ]	Drying & Storage	[ ]	[ ]	[960]
Cash Rent/Ld Set	[ ]	[ ]	[ ]	Lvstk Supplies	[ ]	[ ]	[ ]
Pwr, Fuel, Oil & Gas	[ ]	[ ]	[1440]	Machine Deprec	[ ]	[ ]	[ ]
Hired Labor	[ ]	[ ]	[ ]	Building Deprec	[ ]	[ ]	[ ]
Insurance	[ ]	[ ]	[400]				

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Screen Enterprise Cost Allocation Page 7 Short Name CA

STATUS[3]

Enterprise Number [100]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	[ ]	Taxes	[ ]	[ ]	[240]
Brd. Fees, Regr.	[ ]	[ ]	[ ]	Utilities	[ ]	[ ]	[ ]
Fert., Lime	[ ]	[ ]	[560]	Truck Expenses	[ ]	[ ]	[ ]
Crop Chemicals	[ ]	[ ]	[400]	Auto Expenses	[ ]	[ ]	[ ]
Seeds, Crop Suppl	[ ]	[ ]	[ ]	Misc. Farm Exp.	[ ]	[ ]	[100]
Mach Repr, Maint	[ ]	[ ]	[90]	Interest	[ ]	[ ]	[80]
Bld., Fence Repr	[ ]	[ ]	[ ]	Soil & Water Con	[ ]	[ ]	[ ]
Mach., Truck Hire	[ ]	[ ]	[ ]	Drying & Storage	[ ]	[ ]	[ ]
Cash Rent/Ld Set	[ ]	[ ]	[ ]	Lvstk Supplies	[ ]	[ ]	[ ]
Pwr, Fuel, Oil & Gas	[ ]	[ ]	[160]	Machine Deprec	[ ]	[ ]	[ ]
Hired Labor	[ ]	[ ]	[ ]	Building Deprec	[ ]	[ ]	[ ]
Insurance	[ ]	[ ]	[ ]				

Screen Enterprise Cost Allocation Page 8 Short Name CA

STATUS[3]

Enterprise Number [150]

Opr/Lld Number [1]

	%	or	$		%	or	$
Vet., Medicine	[ ]	[ ]	[ ]	Taxes	[ ]	[ ]	[ ]
Brd. Fees, Regr.	[ ]	[ ]	[ ]	Utilities	[ ]	[ ]	[ ]
Fert., Lime	[ ]	[ ]	[ ]	Truck Expenses	[ ]	[ ]	[ ]
Crop Chemicals	[ ]	[ ]	[ ]	Auto Expenses	[ ]	[ ]	[ ]
Seeds, Crop Suppl	[ ]	[ ]	[ ]	Misc. Farm Exp.	[ ]	[ ]	[ ]
Mach Repr, Maint	[ ]	[ ]	[ ]	Interest	[ ]	[ ]	[ ]
Bld., Fence Repr	[ ]	[ ]	[ ]	Soil & Water Con	[ ]	[ ]	[ ]
Mach., Truck Hire	[ ]	[ ]	[48]	Drying & Storage	[ ]	[ ]	[ ]
Cash Rent/Ld Set	[ ]	[ ]	[ ]	Lvstk Supplies	[ ]	[ ]	[ ]
Pwr, Fuel, Oil & Gas	[ ]	[ ]	[50]	Machine Deprec	[ ]	[ ]	[ ]
Hired Labor	[ ]	[ ]	[ ]	Building Deprec	[ ]	[ ]	[ ]
Insurance	[ ]	[ ]	[ ]				

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Informational/Error Listing

County Number	[713]
Farm Number	[100]
School Number	[711]
Identification Number/Name	[Sample UMC 6-19-85]
Status	[3]
Tenure	[1]
Lease	[1]
Additional Reports	[1]
Year of Operator Birth	[56]
Age of Oldest Dependent Child	[12]
Number in Family	[1]
Total Net Worth	[1]
Tax & Financial Reports	[ ] [ ] [ ] [ ]

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Crop/Shrink Overrun	9-	ENT 110
Lvstk lbs Produced	79320	ENT 308
Lvstk lbs Produced	12190	ENT 329

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01-01-1980 Input/Edit Listing County: 713 Farm: 100 Sample UMC c-19-85

Sum of Opr/Lld Acres not equal Total Acres	*** CRITICAL ***
No tillable acres	*** CRITICAL ***
Custom Work More than $40/Acre	*** WARNING ***
Less than 20 Acres	*** WARNING ***
Crop Acres exceed Tillable by 334 acres	
Card Type 3 Field 2 Alloc Exp exceeds Cash+Accruals total	*** WARNING ***

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01-01-1980 Input/Edit Listing County: 713 Farm: 100 Sample UNC 6-19-95

Livestock Checklist
Operator/Landlord Number [1]

Ent. Code	Begin Invent.	Number Purch	Born/ Weaned	'=' or No. Off	End Invent.	Number Sold	No. Died	No. Consmed
308	220	1	320	=	230	299	10	2
323	40	1	20	=	40	19	1	1

Crop Checklist
Operator/Landlord Number [1]

Ent. Code	Begin Invent.	Quant. Raised	Quant. Purchd	'=' or No. Off	End Invent.	Quant. Fed	Quant. Sold	Quant. Sd/Used
020	2000	3750	523	=	1800	1473	3000	
030	900	2250		=	500		2635	75
040	650	1350		=	642	1313		45
100	18	30		=	20	28		
110		3600		9-	2000	735	856	
150	4	4		=	3	5		
170	3000		6+540	=	5000	67540		

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01-01-1980 Input/Edit Listing County: 713 Farm: 100 Sample UMC 6-19-85

Summary

	Opr/Lld [1]
Crop Shrink/Overrun	9-
Livestock lbs Produced	91510
Crop Sales	27492
Other Farm Rec.	4340
Lvstk. Sales & Prod.	37279
**Total Cash Income	69111
Crop Beg. Inv	15950
Crop End. Inv	19735
Lvstk. Beg. Inv.	19200
Lvstk. End. Inv	20800
**Inventory Change	5385
Accts. Rec.-Net	
Farm Prod. Consumed	800
Less: Purch. Feed	11406
Purch. LvStk.	2500
**Gross Farm Returns	61390
Farm Operator Expense	48319
Prepaid-Net	710
Payables-Net	
Capital Sales	
Capital Purchases	1500
**Total Oper. Exp.	49029
***Income before Depr.	12361
Beg. Loan Bal.	230500
End. Loan Bal.	224000
Money Borrowed	
Non-Farm Recpts	6050
Beg. Bank Bal.	1700
**Total Sources	76861
Principal Payments	7000
S & W Conserv.-Land Clr	
Non-Farm Exp. (NF-1)	13500
End Bank Bal.	1600
**Total Uses	84325
***Sources-Uses	7464-
Net Worth Recon	200-

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